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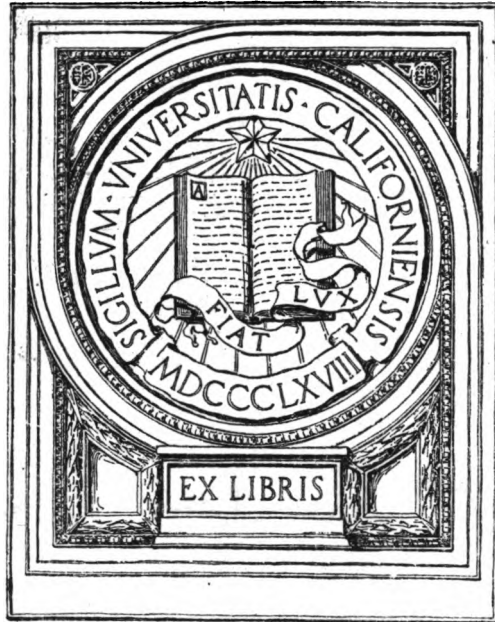
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FORTY-FIFTH ANNUAL REPORT
OF THE
SECRETARY OF STATE
ON THE
REGISTRATION
OF
BIRTHS AND DEATHS
MARRIAGES AND DIVORCES
IN
MICHIGAN
FOR THE YEAR 1911.

FREDERICK C. MARTINDALE

SECRETARY OF STATE

BY AUTHORITY

LANSING, MICHIGAN
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LETTER OF TRANSMITTAL.

STATE DEPARTMENT,

Lansing, Mich., June 24, 1913.

To His Excellency, WOODBRIDGE N. FERRIS, Governor:

SIR—I hereby transmit the Forty-fifth Annual Registration Report of Michigan, containing statistics of births and deaths, marriages and divorces in this State during the year 1911, as required by law.

Respectfully,

FREDERICK C. MARTINDALE,

Secretary of State.

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FORTY-FIFTH ANNUAL REGISTRATION REPORT OF MICHIGAN

CONTAINING VITAL STATISTICS FOR THE YEAR 1911

PART I.—VITAL STATISTICS AND POPULATION.

This part of the report is intended to give a general idea of the results of registration during the year 1911, and to serve as an introduction to the more detailed study of the statistics in the divisions following.

VITAL STATISTICS RETURNED FOR 1911.

The principal facts in regard to the returns of vital statistics for the year 1911 may be seen in the following summary:

Total number of births, 1911	65,756
Births per 1,000 estimated population, 1911	23.0
Total number of deaths, 1911	38,007
Deaths per 1,000 estimated population, 1911	13.3
Total number of marriages, 1911	29,859
Persons married, 1911	59,718
Persons married per 1,000 estimated population, 1911	20.9
Total number of divorces, 1911	4,026
Persons divorced, 1911	8,052
Persons divorced per 1,000 estimated population	2.8

RETURNS BY MONTHS.

The distribution of the returns by months during the year 1911 may be seen in Table 1. The average daily number of deaths, marriages, and births are also given for the year and months. The average enables comparisons to be made of the rates of mortality, nuptiality and natality between the several months with as much accuracy as by the computation of rates. It will be noted that the month of greatest daily mortality was March and the month of least daily mortality was June. The maximum number of marriages per day was in the month of June, and the least number in March. The highest daily number of births was in the month of August and the least number in the month of January.

VITAL STATISTICS OF MICHIGAN, 1911.

Table 1.—Births, deaths and marriages in Michigan by months, 1911.

	Total number regis- tered. 1911.	Returns by months, 1911.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Births:*														
Number.....	65,756	5,225	5,233	5,769	5,424	5,651	5,545	5,753	5,902	5,594	5,274	5,117	5,269	.....
Daily average..	180.2	168.5	186.9	186.1	180.8	182.3	184.7	185.6	190.4	186.5	170.1	170.6	169.7	.....
Deaths:*														
Number.....	38,007	3,530	3,444	3,872	3,544	3,246	2,661	3,201	2,979	2,946	2,815	2,836	2,933	.....
Daily average..	104.1	113.9	123.0	124.9	118.1	104.7	88.7	103.3	96.1	98.2	90.8	94.5	94.6	.....
Marriages :														
Number.....	29,859	1,866	2,050	1,658	1,940	2,255	3,863	2,414	2,594	2,938	2,816	3,034	2,430	1
Daily average..	81.8	60.2	73.2	53.5	64.7	72.7	128.8	77.9	83.7	97.9	90.8	101.1	78.4	.....

*Stillbirths excluded.

Table 2.—Marriages, births and deaths registered in Michigan for the years 1868-1911 with rates per 1,000 population. (Stillbirths included in births but not in deaths).

Years.	Population.	Registration returns, 1868-1911.			Rates per 1,000 population.		
		Number of marriages.	Number of births.*	Number of deaths.†	Persons married.	Births.*	Deaths.†
1868.	1,057,288	8,697	25,020	8,189	16.5	23.7	7.7
1869.	1,120,673	8,459	27,093	9,016	15.1	24.2	8.9
1870.	1,184,059	9,791	26,663	10,540	16.5	22.5	8.9
1871.	1,221,552	10,605	25,992	9,460	17.4	21.3	7.7
1872.	1,259,045	10,752	27,993	13,167	17.1	22.2	10.5
1873.	1,296,538	11,897	34,608	13,984	18.4	26.7	18.0
1874.	1,334,031	12,255	31,151	12,036	18.4	23.4	9.0
1875.	1,384,515	11,851	31,958	11,361	17.1	23.1	8.2
1876.	1,435,000	11,913	34,235	11,930	16.6	23.9	8.3
1877.	1,485,484	11,899	33,395	12,199	16.0	22.5	8.2
1878.	1,535,968	12,880	35,162	11,973	16.8	22.9	7.7
1879.	1,586,453	13,892	34,122	13,658	17.5	21.5	8.6
1880.	1,636,837	14,935	35,323	15,364	18.2	21.6	9.4
1881.	1,691,117	15,894	34,749	18,547	18.8	20.5	11.0
1882.	1,745,298	16,830	37,026	15,633	19.3	21.2	9.0
1883.	1,799,478	17,174	40,809	16,022	19.1	22.7	8.9
1884.	1,853,658	15,989	40,408	17,137	17.3	21.8	9.2
1885.	1,893,697	15,885	42,119	15,638	16.8	22.2	8.3
1886.	1,933,735	16,665	41,095	17,278	17.2	21.3	8.9
1887.	1,973,774	17,179	46,226	18,585	17.4	23.4	9.4
1888.	2,013,812	17,297	48,952	20,406	17.2	24.3	10.1
1889.	2,053,851	18,317	49,272	19,113	17.8	24.0	9.3
1890.	2,093,889	18,664	52,306	20,245	17.8	25.0	9.7
1891.	2,130,827	19,244	50,812	20,989	18.1	23.8	9.9
1892.	2,167,765	20,107	46,221	20,715	18.6	21.3	9.6
1893.	2,204,703	19,197	47,772	20,963	17.4	21.6	9.5
1894.	2,241,641	18,220	44,596	19,957	16.3	19.9	8.9
1895.	2,271,531	18,952	46,273	21,648	16.7	20.4	9.5
1896.	2,301,421	18,897	46,302	20,729	16.4	20.1	9.0
1897.	2,331,311	18,579	43,688	19,150	15.9	18.7	8.2
1898.	2,361,201	20,138	43,462	28,284	17.1	18.4	12.0
1899.	2,391,091	21,877	41,818	32,500	18.3	17.5	13.6
1900.	2,420,982	23,295	43,699	32,599	19.2	18.1	13.4
1901.	2,450,872	24,079	43,221	32,834	19.6	17.6	13.4
1902.	2,475,499	25,653	45,546	31,472	20.7	18.4	12.7
1903.	2,502,758	26,029	46,020	33,176	20.8	18.4	13.3
1904.	2,530,016	24,918	47,085	34,494	19.7	18.6	13.6
1905.	2,557,275	26,307	46,976	34,679	20.6	18.4	13.6
1906.	2,584,533	27,519	58,599	37,033	21.3	22.7	14.3
1907.	2,611,792	27,940	59,029	36,701	21.4	22.6	14.1
1908.	2,639,050	25,765	64,772	36,761	19.5	24.5	13.9
1909.	2,666,309	27,353	64,323	36,313	20.5	24.1	13.6
1910.	2,810,173	29,039	64,109	39,813	20.7	22.8	14.2
1911.	2,856,866	29,859	65,756	38,007	20.9	23.0	13.3

*Stillbirths included in births. For the years 1868-1873 and 1898-1909, only those returned as births are so included.

†Stillbirths not included. ‡Census years.

COMPARISON OF 1911 WITH PREVIOUS YEARS OF REGISTRATION.

The vital statistics for the year 1911 may be compared with the returns for the preceding years of registration by means of Table 2. In this table estimated populations are used for the intercensal and postcensal years, by whose aid the death rates, marriage rates and birth rates may be computed for each year, and thus fairly accurate comparisons be made of the data with allowance for the increase of population of the State.

According to the returns there was a decrease of 1,906 deaths in 1911 as compared with the year immediately preceding.

The number of births for the year, 65,756, is an increase of 1,647 over the number returned for the year 1910. Accurate comparisons of birth registration in Michigan can only be made with the years since 1906, at which time the immediate registration of births went into effect.

According to the returns there was an increase of 820 marriages in 1911 over 1910.

Table 3.—Persons married per 1,000 living population in certain countries and states during the years 1897-1911.

Country or state.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Australia, Commonwealth of.	13.4	13.4	14.1	14.5	14.6	14.5	13.3	14.0	14.5	15.0	15.7	15.5	15.8	16.7	17.6
Austria.....	16.2	15.7	16.6	16.5	16.3	15.6	15.6	15.6	15.6	15.8	15.1	15.3	15.1	15.1	15.2
Belgium.....	16.5	16.6	16.5	17.2	17.4	16.2	15.7	16.0	15.8	16.1	16.0	15.6	15.3	15.8	(1)
Denmark.....	15.0	15.1	15.0	15.2	14.3	14.2	14.2	14.3	14.3	14.9	15.3	15.0	14.7	14.6	14.4
France.....	15.1	14.8	15.3	15.5	15.6	15.1	15.1	15.2	15.4	15.6	16.0	16.0	15.6	15.6	15.5
German Empire.....	16.7	16.9	17.1	17.0	16.5	15.9	15.8	16.1	16.1	16.3	16.3	15.9	15.5	15.4	15.7
Prussia.....	16.8	16.9	17.0	17.1	16.6	15.9	15.9	16.2	16.2	16.5	16.4	16.0	15.6	15.5	15.9
Holland.....	14.8	14.6	14.8	15.2	15.4	15.2	14.9	14.7	14.6	14.9	15.0	14.4	14.1	14.3	14.3
Hungary.....	16.4	16.8	18.2	17.8	17.6	17.3	16.3	18.4	17.2	17.6	19.9	18.4	17.4	17.3	18.5
Italy.....	14.4	13.8	14.7	14.4	14.5	14.5	14.4	15.0	15.4	15.7	15.5	16.7	15.6	15.7	15.0
Japan.....	16.9	21.5	13.4	15.4	16.6	17.1	15.9	16.9	14.7	14.6	17.7	18.7	17.6	(1)	(1)
New South Wales.....	13.7	13.5	13.9	14.8	15.4	15.0	13.8	14.5	14.9	15.4	15.9	16.0	16.4	17.6	(2)
New Zealand.....	13.7	13.8	14.6	15.3	15.7	16.0	16.5	16.5	16.6	17.0	18.0	18.0	16.7	16.6	17.4
Norway.....	13.4	14.0	14.2	13.8	13.2	12.8	12.0	11.9	11.6	11.8	12.1	12.2	12.0	12.4	12.5
Russia (European).....	18.2	17.4	18.4	17.6	17.2	17.2	17.8	15.2	15.6	(1)	(1)	(1)	(1)	(1)	.....
Sweden.....	12.1	12.3	12.5	12.3	12.1	11.9	11.6	11.7	11.7	12.3	12.4	12.2	11.9	12.1	11.7
Switzerland.....	15.7	15.6	15.6	15.5	15.2	14.8	14.7	14.7	14.9	15.3	15.4	15.2	14.9	14.6	.....
United Kingdom.....	15.2	15.4	15.6	15.1	15.1	15.1	15.0	14.7	14.7	15.0	15.2	14.4	14.1	14.3	14.6
England and Wales.....	16.0	16.2	16.5	16.0	15.9	15.9	15.7	15.3	15.3	15.7	15.9	15.1	14.7	15.0	15.2
Ireland.....	10.1	10.0	9.9	9.5	10.1	10.4	10.4	10.4	10.5	10.3	10.3	10.4	10.3	10.1	10.7
Scotland.....	14.4	14.8	15.0	14.6	14.0	14.2	14.3	14.1	13.6	14.3	14.3	13.5	12.8	13.0	13.4
United States:															
Connecticut.....													17.4	18.1	18.9
Massachusetts.....	17.6	16.5	17.2	17.4	17.5	17.8	18.4	17.6	18.1	19.5	20.1	(1)	(1)	(1)	(1)
Michigan.....	15.9	17.1	18.3	19.2	19.6	20.7	20.8	19.7	20.6	21.3	21.4	19.5	20.5	20.7	20.9
Rhode Island.....	15.6	15.8	16.2	18.4	17.6	18.5	19.2	17.8	18.1	20.9	.....	(1)	(1)	(1)	(1)

(1) No figures available.

NOTE.—Data for foreign countries taken from International Tables of the Registrar-General's Report of England.

(2) Not shown separately.

VITAL STATISTICS AND POPULATION.

5

Table 4.—Births registered per 1,000 living population in certain countries and states during the years 1897-1911. (Stillbirths excluded).

Country or state.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Australia, Commonwealth of..	28.2	27.2	27.3	27.3	27.2	26.7	25.3	26.4	26.2	26.6	26.8	26.6	26.7	26.7	27.2
Austria.....	37.5	36.3	37.3	37.3	36.6	37.1	35.3	35.6	33.9	35.0	34.0	33.7	33.4	32.5	31.4
Belgium.....	29.0	28.6	28.8	28.9	29.4	28.4	27.5	27.1	26.1	25.7	25.3	24.9	23.7	23.7	(1)
Denmark.....	29.8	30.2	29.7	29.7	29.7	29.2	28.7	28.9	28.4	28.5	28.2	28.5	28.2	27.5	26.8
France.....	22.2	21.8	21.9	21.4	22.0	21.7	21.1	20.9	20.6	20.6	19.7	20.1	19.5	19.6	18.7
German Empire.....	36.0	36.1	35.8	35.6	35.7	35.1	33.9	34.1	33.0	33.1	32.3	32.1	31.1	29.8	28.6
Prussia.....	36.5	36.7	36.3	36.1	36.2	35.5	34.4	34.7	33.5	33.7	33.0	32.7	31.7	30.5	29.4
Holland.....	32.5	31.9	32.0	31.5	32.3	31.8	31.6	31.4	30.8	30.4	30.0	29.7	29.1	28.6	27.8
Hungary.....	40.3	37.7	39.3	39.3	37.8	38.9	36.9	37.4	36.3	36.5	36.7	36.9	37.7	35.7	35.0
Italy.....	34.7	33.5	33.9	33.0	32.6	33.4	31.7	32.9	32.7	32.1	31.7	33.7	32.7	33.3	31.5
Japan.....	30.9	31.3	31.4	31.7	32.7	32.9	32.0	30.6	30.6	28.9	33.0	33.9	34.2	(1)	(1)
New South Wales.....	28.9	27.6	27.3	27.4	27.6	27.2	25.4	26.9	26.9	27.3	27.5	27.2	27.5	28.0	(2)
New Zealand.....	26.0	25.7	25.1	25.6	26.3	25.9	26.6	26.9	27.2	27.1	27.3	27.4	27.3	26.2	26.0
Norway.....	29.9	30.1	30.7	29.9	29.9	29.2	28.6	28.0	27.2	26.8	26.4	26.4	26.7	26.1	25.9
Russia (European).....	49.5	48.7	49.0	49.4	47.9	49.1	48.1	48.5	44.8	(1)	(1)	(1)	(1)	(1)	(1)
Sweden.....	26.7	27.1	26.4	27.0	27.0	26.5	25.7	25.8	25.7	25.7	25.5	25.7	25.6	24.7	23.8
Switzerland.....	28.3	28.5	29.0	28.6	29.0	28.5	27.4	27.3	26.9	26.9	26.2	26.4	25.5	25.0	(1)
United Kingdom.....	28.9	28.7	28.5	28.2	28.0	28.0	28.0	27.7	27.1	27.0	26.3	26.5	25.7	25.0	24.4
England and Wales.....	29.6	29.3	29.1	28.7	28.5	28.5	28.5	28.0	27.3	27.2	26.5	26.7	25.8	25.1	24.4
Ireland.....	23.5	23.3	23.1	22.7	22.7	23.0	23.1	23.6	23.4	23.5	23.2	23.3	23.4	23.3	23.2
Scotland.....	30.0	30.1	29.8	29.6	29.5	29.3	29.4	29.1	28.6	28.6	27.7	28.1	27.3	26.2	25.6
United States.....				27.2								*25.7	*25.0	*25.3	(1)
Connecticut.....	23.3	23.5	22.6	22.6	22.3	22.5	22.7	23.4	23.5	24.4	25.3	24.8	24.0	24.5	24.8
Maine.....												22.1	21.9	21.0	(1)
Massachusetts.....	28.0	27.3	25.7	26.2	25.3	25.1	25.2	25.3	25.0	26.4	27.5	26.9	25.4	25.7	(1)
Michigan.....	18.3	18.2	17.2	17.8	17.5	18.4	18.4	18.6	18.4	22.7	22.6	22.8	22.6	22.5	23.0
New Hampshire.....												21.7	20.7	21.8	(1)
New Jersey.....	17.9	18.0	15.9	17.1	18.1	17.8	18.5	18.8	18.5	19.4	19.9	20.6	20.2	(1)	(1)
Pennsylvania.....												26.0	25.8	26.3	(1)
Rhode Island.....	26.8	25.9	25.6	25.9	25.8	25.1	25.3	25.8	25.9	25.9	26.3	25.7	24.3	24.6	(1)
Vermont.....												21.8	21.3	20.6	(1)
District of Columbia.....												21.7	21.4	21.1	(1)
New York, N. Y.....												28.0	26.3	27.0	(1)
Bronx Borough.....												25.5	23.2	25.0	(1)
Brooklyn Borough.....												27.1	26.0	26.2	(1)
Manhattan Borough.....												29.4	27.6	28.3	(1)
Queens Borough.....												25.0	23.4	24.6	(1)
Richmond Borough.....												25.2	23.8	23.8	(1)

(1) No figures available. *Provisional registration area.

NOTE.—Data for foreign countries taken from International Tables of the Registrar-General's Report of England.

(2) Not shown separately.

VITAL STATISTICS OF MICHIGAN, 1911.

Table 5.—Deaths registered per 1,000 living population in certain countries and states during the years 1897-1911. (Stillbirths excluded).

Country or state.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Australia, Commonwealth of.	12.1	14.1	12.9	11.8	12.2	12.5	12.2	11.1	10.9	10.9	11.0	11.1	10.3	10.4	10.7
Austria.	25.6	24.9	25.6	25.4	24.0	24.7	23.8	23.8	25.1	22.6	22.7	22.5	22.9	21.2	21.9
Belgium.	17.2	17.6	18.8	19.3	17.2	17.3	17.0	16.9	16.5	16.4	15.7	16.5	15.8	15.2	(1)
Denmark.	16.6	15.5	17.3	16.8	15.8	14.6	14.7	14.1	15.0	13.5	14.1	14.6	13.2	12.9	13.6
France.	19.4	20.9	21.1	21.9	20.1	19.5	19.2	19.4	19.6	19.9	20.2	18.9	19.1	17.8	19.6
German Empire.	21.3	20.5	21.5	22.1	20.7	19.5	20.0	19.6	19.8	18.2	18.0	18.1	17.2	16.2	17.3
Prussia.	20.9	20.0	21.4	21.8	20.5	19.2	19.7	19.2	19.6	17.9	17.8	17.9	17.0	16.0	17.2
Holland.	16.9	17.0	17.1	17.8	17.2	16.3	15.6	15.9	15.3	14.8	14.6	15.0	13.7	13.6	14.5
Hungary.	28.5	28.0	27.2	26.9	25.4	27.1	26.2	25.0	28.2	25.1	25.7	25.2	25.6	23.6	25.1
Italy.	21.9	22.9	21.9	23.8	22.0	22.2	22.4	21.2	22.0	20.9	20.9	*22.8	21.7	19.9	21.4
Japan.	20.3	20.4	21.1	20.4	20.4	20.9	20.0	21.2	22.0	19.8	20.9	21.0	22.0	(1)	(1)
New South Wales.	11.1	12.7	11.9	11.2	11.7	12.0	11.7	10.7	10.2	10.0	10.7	10.3	9.9	10.0	(2)
New Zealand.	9.1	9.8	10.2	9.4	9.8	10.5	10.4	9.5	9.3	9.3	10.9	9.5	9.2	9.7	9.3
Norway.	15.3	15.2	16.7	15.8	14.9	13.8	14.7	14.3	14.7	13.6	14.3	14.2	13.5	13.5	13.2
Russia (European).	31.4	33.2	31.0	31.1	32.1	31.5	30.0	29.9	31.1	(1)	(1)	(1)	(1)	(1)	(1)
Sweden.	15.4	15.1	17.7	16.8	16.1	15.4	15.1	15.3	15.6	14.4	14.6	14.9	13.7	14.0	13.8
Switzerland.	17.7	18.3	17.7	19.3	18.0	17.0	17.4	17.5	17.6	16.6	16.4	15.8	16.1	15.1	(1)
United Kingdom.	17.6	17.7	18.2	18.4	17.1	16.5	15.8	16.6	15.6	15.7	15.5	15.3	15.0	14.0	14.8
England and Wales.	17.4	17.5	18.2	18.2	16.9	16.3	15.5	16.3	15.3	15.5	15.1	14.8	14.6	13.5	14.6
Ireland.	18.5	18.2	17.7	19.6	17.8	17.5	17.5	18.0	17.1	16.9	17.6	17.5	17.1	17.1	16.5
Scotland.	18.4	18.0	18.1	18.5	17.9	17.3	16.8	17.1	16.2	16.4	16.6	16.6	15.9	15.3	15.1
United States (3).				17.6	16.5	15.9	16.0	16.5	16.0	15.7	16.0	14.8	14.4	15.0	14.2
California.										14.1	14.6	14.1	13.4	13.5	13.7
Colorado.										14.0	15.3	14.5	14.2	13.8	12.9
Connecticut.	15.7	15.8	15.7	18.0	16.0	15.1	15.9	15.6	16.1	16.2	16.5	14.8	15.0	15.6	15.4
Indiana.				14.2	13.8	12.9	12.4	13.8	13.2	12.8	13.0	12.8	12.9	13.5	12.9
Kentucky.															13.2
Maine.				17.1	16.0	15.3	15.8	16.3	16.0	16.0	16.4	15.7	15.6	17.1	16.1
Maryland.										16.0	16.4	15.8	15.5	16.0	15.8
Massachusetts.	18.1	17.5	17.4	18.3	16.9	16.5	16.7	16.3	16.8	16.3	17.0	15.9	15.4	16.1	15.3
Michigan.	8.2	12.0	13.6	14.0	13.4	12.7	13.2	13.6	13.4	14.0	13.6	13.4	13.1	14.1	13.2
Minnesota.														10.9	10.5
Missouri.															13.1
Montana.														10.6	10.2
New Hampshire.				18.5	16.8	16.0	16.7	16.2	17.3	17.7	17.6	16.8	16.9	17.3	17.1
New Jersey.	16.9	15.1	16.7	17.8	16.4	15.8	15.7	16.9	15.8	15.9	16.1	14.8	14.7	15.5	14.7
New York.				18.2	17.7	16.4	16.5	18.0	17.0	16.9	17.3	15.9	15.7	16.1	15.5
North Carolina†.														18.7	18.3
Ohio.													12.9	13.7	13.1
Pennsylvania.										16.0	15.9	15.1	14.7	15.6	14.2
Rhode Island.	17.6	16.7	17.6	20.5	18.1	17.7	18.8	17.2	17.1	17.4	17.8	15.9	15.6	17.1	15.5
South Dakota.										8.5	9.1	9.2	8.5		
Utah.														10.8	10.3
Vermont.				16.6	16.6	15.0	16.2	16.0	17.0	16.7	16.2	15.9	15.7	16.0	15.8
Washington.												9.3	9.8	10.0	8.9
Wisconsin.												11.7	11.8	12.0	11.5

(1) No figures available. *Including 77,283 deaths in the earthquake at Messina and Reggio (28th December, 1908); excluding these deaths, the death rate was 20.3. (3) Registration area only. †Including only municipalities having a population of 1,000 or over in 1900.

NOTE.—Data for foreign countries taken from International Tables of the Registrar-General's Report of England.

(2) Not shown separately.

MICHIGAN VITAL STATISTICS COMPARED WITH THOSE OF OTHER STATES AND COUNTRIES.

The significance of the vital rates of any state or country cannot be fully known until comparisons have been made with those of others. While the crude marriage, birth and death rates are not sufficient for the formation of absolutely reliable conclusions relative to the exact intensity of the marriage movement, or the fecundity or sanitary condition of the population so measured, nevertheless, the crude rates, taken without correction for dissimilar constitution of the population, must always form the first step in the comparative study of vital statistics. By means of the data contained in Tables 3, 4 and 5, which are chiefly derived from the tables of international statistics printed in the last report of the Registrar-General of England, the vital rates of Michigan for fifteen years past may be compared with those of various European countries, and also with the rates of certain states in this country and with those of New Zealand and New South Wales, as representative of the vital statistics of Australasia.

COMPARISON OF VITAL RATES OF COUNTIES.

In Table 6 estimated populations are given for each of the counties of the State for the year 1911. In estimating populations what is known as the "arithmetical method" has been employed; in fact, this method has been used in this State for the estimation of populations for intercensal and postcensal years, both for the *Michigan Monthly Bulletin of Vital Statistics* and for the annual registration reports ever since any systematic methods of estimating populations have been made use of. While all methods of estimating populations are more or less liable to error, especially when there are long intervals between census enumerations, investigation has proven that the arithmetical method accords more closely with the actual enumerated results than any other method, while at the same time it is readily applied, and is one of the most simple methods.

In this table the number of births, deaths, marriages and divorces registered are given for the State and for individual counties, together with the corresponding rates per 1,000 estimated population for the year. It will be noted, however, that the marriage and divorce rates are stated as *persons married* and *persons divorced*, instead of as so many marriages and divorces per 1,000 estimated population. In comparing the vital rates of the different counties, it is important to consider the age distribution of the population. As the greater number of deaths, relatively speaking, occur in the age period under five years

VITAL STATISTICS OF MICHIGAN, 1911.

Table 6.—Births, deaths, marriages and divorces in Michigan by counties for the year 1911, with rates per 1,000 estimated population. (Stillbirths excluded from births and deaths).

State and counties.	Estimated population, 1911.	Number of births registered, 1911.	Number of deaths registered, 1911.	Number of marriages registered, 1911.	Number of divorces granted, 1911.	Rates per 1,000 estimated population, 1911.			
						Births.	Deaths.	Persons married.	Persons divorced.
State.....	2,856,866	65,756	38,007	29,859	4,026	23.0	13.3	20.9	2.8
Alcona.....	5,705	152	63	46	4	26.6	11.0	16.1	1.4
Alger.....	7,865	171	68	59	4	21.7	8.6	15.0	1.0
Allegan.....	39,964	747	508	334	37	18.7	12.7	16.7	1.9
Alpena.....	20,001	368	286	185	12	18.4	14.3	18.5	1.2
Antrim.....	15,698	348	206	152	16	22.2	13.1	19.4	2.0
Arenac.....	9,549	219	102	72	2	22.9	10.7	15.1	0.4
Baraga.....	6,298	86	68	19	3	13.7	10.8	6.0	1.0
Barry.....	22,734	472	297	203	51	20.8	13.0	17.9	4.5
Bay.....	69,036	1,606	812	607	90	23.3	11.8	17.7	2.7
Benzie.....	10,613	228	143	75	20	21.5	13.5	14.1	3.8
Berrien.....	54,327	953	682	1,775	104	17.6	10.7	65.3	3.8
Branch.....	25,473	411	353	226	46	16.1	14.2	17.7	3.6
Calhoun.....	57,251	1,097	846	584	183	19.2	14.8	20.6	6.4
Cass.....	20,723	382	309	173	46	18.4	14.9	16.7	4.4
Charlevoix.....	19,637	417	238	195	37	21.2	12.1	19.9	3.8
Cheboygan.....	17,975	434	215	144	24	24.1	12.0	16.0	2.7
Chippewa.....	24,863	619	263	232	26	24.9	10.6	18.7	2.1
Clare.....	9,249	199	97	69	11	21.5	10.5	14.9	2.4
Clinton.....	22,783	446	302	197	31	19.6	13.3	17.3	2.7
Crawford.....	3,947	98	48	35	3	24.8	12.2	17.7	1.8
Delta.....	30,620	812	350	249	15	26.5	11.5	16.3	1.0
Dickinson.....	20,789	549	205	150	4	26.4	9.9	14.4	0.4
Eaton.....	30,465	560	440	334	60	11.1	14.4	22.0	3.9
Emmet.....	18,673	412	217	180	27	22.1	11.6	19.3	2.9
Genesee.....	68,188	1,360	802	637	107	19.9	11.8	18.7	3.3
Gladwin.....	8,382	225	91	70	3	26.8	10.8	16.7	0.7
Gogebic.....	24,339	856	242	252	3	31.1	9.9	20.7	0.2
Grand Traverse.....	23,881	451	309	215	50	18.8	15.5	18.0	4.2
Gratiot.....	28,534	683	343	292	53	23.9	12.0	20.5	3.7
Hillsdale.....	29,646	498	416	317	54	16.8	14.0	21.4	3.6
Houghton.....	91,010	2,715	998	710	9	29.8	11.0	15.6	0.2
Huron.....	34,727	945	383	268	18	27.2	11.0	15.4	1.0
Ingham.....	54,927	996	637	519	23	18.3	11.6	18.9	0.8
Ionia.....	33,371	645	427	319	63	19.3	12.8	19.1	3.8
Iosco.....	9,622	208	89	74	7	21.6	9.2	15.4	1.5
Iron.....	16,204	488	187	157	6	30.1	11.5	19.4	0.7
Isabella.....	22,850	572	220	227	27	25.0	9.6	19.9	2.4
Jackson.....	54,477	985	714	633	80	18.1	13.2	23.2	2.9
Kalamazoo.....	62,205	1,248	967	807	151	20.1	15.5	25.9	4.9
Kalkaska.....	8,179	188	95	90	21	23.0	11.6	22.0	5.1
Kent.....	162,588	3,667	2,404	1,834	278	22.5	14.8	22.6	3.4
Keweenaw.....	7,591	340	90	50	1	44.7	13.0	13.7	0.3
Lake.....	4,929	104	60	38	8	21.1	12.2	15.4	3.2
Lapeer.....	25,864	550	377	212	14	21.3	14.6	16.4	1.1
Leelanau.....	10,572	255	144	67	2	24.1	13.6	12.7	0.4
Lenawee.....	47,709	841	625	422	61	17.6	13.1	17.7	2.6
Livingston.....	17,584	326	242	126	28	18.5	13.8	14.3	3.2
Luce.....	4,024	99	84	53	0	24.6	20.9	26.3	0.0
Mackinac.....	9,416	218	97	68	10	23.1	10.0	14.4	1.1
Macomb.....	32,535	694	484	230	26	21.3	14.9	14.1	1.6

VITAL STATISTICS AND POPULATION.

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Table 6.—Concluded.—Births, deaths, marriages and divorces in Michigan by counties for the year 1911, with rates per 1,000 estimated population.

Counties.	Esti- mated popu- lation, 1911.	Number of births reg- istered, 1911.	Number of deaths reg- istered, 1911.	Number of marriages reg- istered, 1911.	Number of divorces granted, 1911.	Rates per 1,000 estimated population, 1911.			
						Births.	Deaths.	Persons married.	Persons divorced.
Manistee.....	26,607	603	331	213	16	26.7	12.4	16.0	1.2
Marquette.....	47,861	1,388	638	381	14	29.0	13.3	16.1	0.6
Mason.....	22,203	485	242	196	22	21.8	10.9	17.7	1.9
Mecosta.....	19,341	412	250	169	20	21.3	12.9	17.5	2.1
Menominee.....	25,512	572	271	461	10	22.4	10.6	36.1	0.8
Midland.....	13,900	328	166	130	12	23.6	11.9	19.0	1.7
Missaukee.....	10,663	296	93	85	18	27.7	8.7	16.0	3.4
Monroe.....	32,916	670	452	658	15	20.3	13.7	40.0	0.9
Montcalm.....	31,871	610	445	239	43	19.1	14.0	15.0	2.7
Montmorency.....	3,795	99	35	24	3	26.1	9.2	12.6	1.6
Muskegon.....	41,111	939	556	487	54	22.8	13.5	23.7	2.6
Newaygo.....	19,353	416	223	175	25	21.5	11.5	18.1	2.6
Oakland.....	50,214	888	805	433	63	17.7	16.0	17.2	2.6
Oceana.....	18,489	418	204	154	32	22.6	11.0	16.7	3.5
Ogemaw.....	8,871	201	91	62	3	22.6	10.2	14.0	0.7
Ontonagon.....	8,897	299	100	57	5	33.6	11.2	12.6	1.1
Osceola.....	17,765	418	192	154	15	23.5	10.8	17.3	1.7
Oscoda.....	2,050	55	17	15	0	26.8	8.3	14.6	0.0
Otsego.....	6,438	139	91	67	1	21.6	14.1	20.1	0.3
Ottawa.....	45,818	1,155	562	473	41	27.4	12.3	20.6	1.8
Presque Isle.....	11,312	362	134	108	10	32.0	11.8	19.1	1.8
Roscommon.....	2,365	48	22	19	4	20.3	9.3	16.1	3.4
Saginaw.....	89,893	1,687	1,129	854	156	18.9	12.6	19.0	3.5
St. Clair.....	51,792	945	687	404	57	18.2	13.3	15.6	2.2
St. Joseph.....	25,877	416	385	234	26	16.0	14.9	18.1	2.0
Sanilac.....	33,774	918	383	299	26	27.2	16.1	17.7	1.5
Schoolcraft.....	8,690	229	72	63	9	26.3	8.3	14.5	2.1
Shiawassee.....	33,169	683	419	340	56	20.6	12.6	20.5	3.4
Tuscola.....	34,738	851	437	319	42	24.5	12.5	18.4	2.4
Van Buren.....	32,888	577	486	310	50	17.5	14.8	18.9	3.0
Washtenaw.....	44,370	816	700	371	50	18.4	15.8	16.7	2.3
Wayne.....	555,718	15,385	8,402	6,683	1,139	27.7	15.1	24.5	4.1
Wexford.....	21,028	505	273	240	30	24.0	13.0	22.8	2.9

VITAL STATISTICS OF MICHIGAN, 1911.

Table 7.—Births, deaths, marriages and divorces for the years 1910 and 1911, showing the increase (or decrease) of the number registered for the year 1911, as compared with that of the preceding year.

State and counties.	Births.*			Deaths.*			Marriages.			Divorces.		
	Number in 1911.	Number in 1910.	Increase or decrease.†	Number in 1911.	Number in 1910.	Increase or decrease.†	Number in 1911.	Number in 1910.	Increase or decrease.†	Number in 1911.	Number in 1910.	Increase or decrease.†
State.....	65,756	64,109	1,647	38,007	39,913	-1,906	29,859	29,039	820	4,026	3,716	310
Alcona.....	152	147	5	63	55	8	46	42	4	4	3	1
Alcona.....	171	171	0	107	98	9	59	43	-4	4	3	1
Alcona.....	747	823	-76	508	546	-38	324	329	5	37	53	-16
Alcona.....	368	396	-28	266	271	-5	185	187	-2	12	19	-7
Alcona.....	219	223	-4	102	107	-5	152	152	0	20	17	3
Alcona.....	86	107	-21	68	96	-28	72	73	-1	2	1	1
Alcona.....	472	453	19	297	299	-2	203	225	-22	51	40	11
Alcona.....	1,606	1,677	-71	812	849	-37	607	643	-36	90	47	43
Bennie.....	228	257	-29	143	128	15	75	107	-32	20	23	-3
Bennie.....	953	998	-45	662	701	-39	1,775	1,688	87	104	87	17
Bennie.....	411	444	-33	353	382	-29	226	218	8	46	53	-7
Bennie.....	1,087	1,048	39	846	857	-11	584	634	-50	183	148	35
Bennie.....	382	412	-30	309	304	5	173	184	-11	46	41	5
Bennie.....	417	473	-56	238	220	18	195	182	13	37	29	8
Bennie.....	434	436	-2	215	233	-18	144	171	-27	24	16	8
Bennie.....	619	601	18	263	262	1	232	211	21	26	23	3
Bennie.....	199	214	-15	97	107	-10	69	93	-24	11	16	-5
Clinton.....	446	488	-42	302	306	-4	197	177	20	31	25	6
Clinton.....	98	111	-13	48	56	-8	35	27	8	3	4	-1
Clinton.....	812	836	-24	350	400	-50	249	234	15	15	7	8
Clinton.....	549	646	-97	205	229	-24	150	134	16	4	6	-2
Clinton.....	560	530	30	440	439	1	334	284	50	60	51	9
Clinton.....	412	429	-17	217	227	-10	180	181	-1	27	34	-7
Clinton.....	1,360	1,323	37	802	940	-138	637	665	-28	117	118	-1
Clinton.....	255	207	48	91	85	6	70	60	10	3	2	1
Clinton.....	856	915	-59	242	367	-125	252	260	-8	3	10	-7
Grand Traverse.....	451	468	-17	369	424	-55	215	232	-17	50	34	16
Grand Traverse.....	683	578	105	343	354	-11	212	270	-58	53	52	1
Grand Traverse.....	498	533	-35	416	443	-27	317	315	2	54	39	15
Grand Traverse.....	2,715	2,832	-117	998	1,129	-131	710	703	7	9	28	-19
Grand Traverse.....	945	899	46	383	373	10	268	278	-10	18	7	11
Grand Traverse.....	996	1,014	-18	637	706	-69	519	667	-148	23	91	-68
Grand Traverse.....	645	641	4	427	437	-10	319	302	17	63	70	-7
Grand Traverse.....	208	222	-14	89	118	-29	74	65	9	7	9	-2
Grand Traverse.....	488	381	107	187	191	-4	157	141	16	6	2	4

VITAL STATISTICS AND POPULATION.

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Isabella.....	572	528	44	220	277	-57	227	229	-2	27	25	2
Jackson.....	985	946	39	714	765	-81	633	604	29	80	99	-19
Kalamazoo.....	1,248	1,168	80	967	1,044	-77	967	721	86	151	150	1
Kalamazoo.....	1,188	1,191	-3	95	1,129	-34	90	88	2	21	23	-2
Kalamazoo.....	3,667	3,605	62	2,404	2,375	29	1,834	1,823	11	278	308	-30
Kalamazoo.....	3,400	3,320	20	99	97	2	50	64	-14	1	0	0
Kalamazoo.....	104	76	28	60	48	12	38	30	8	8	3	5
Kalamazoo.....	550	517	33	377	441	-64	212	177	35	14	14	0
Kalamazoo.....	255	254	1	144	169	-25	67	76	-9	2	8	-6
Leelanau.....	841	852	-11	625	704	-79	422	452	-30	61	65	-4
Leelanau.....	326	329	27	242	237	5	126	147	-21	28	20	8
Leelanau.....	90	86	13	87	109	-25	30	30	23	0	1	-1
Leelanau.....	218	221	-3	130	130	-33	68	64	4	10	3	7
Leelanau.....	604	661	33	484	496	-12	230	295	-65	26	32	-6
Leelanau.....	603	629	-26	331	320	11	213	189	24	16	17	9
Leelanau.....	1,388	1,402	-14	638	617	21	381	386	-5	14	11	3
Leelanau.....	485	485	0	242	254	-12	196	182	14	22	24	-2
Leelanau.....	412	427	-15	250	252	-2	169	159	10	20	28	-8
Manistee.....	572	466	106	271	299	-28	461	410	51	10	2	8
Manistee.....	322	298	40	166	197	-31	130	103	27	12	2	9
Manistee.....	290	279	17	93	114	-21	68	58	-3	18	13	5
Manistee.....	670	645	25	452	421	31	658	555	103	15	17	-2
Manistee.....	610	688	-68	443	448	-5	239	272	-33	43	35	8
Manistee.....	99	99	0	33	48	-13	24	34	-10	3	8	-5
Manistee.....	939	912	27	556	526	30	457	431	56	54	43	11
Manistee.....	416	383	33	223	212	11	173	158	17	23	20	5
Manistee.....	868	853	35	805	904	-99	433	349	84	63	59	4
Ocean.....	418	453	-35	204	206	-2	154	167	-13	32	27	5
Ocean.....	201	218	-17	91	69	22	62	68	-6	3	6	-3
Ocean.....	299	247	52	100	91	9	57	58	-1	5	6	-1
Ocean.....	418	387	31	192	207	-15	154	154	0	13	23	-8
Ocean.....	55	65	-10	17	24	-7	15	17	-2	0	0	0
Ocean.....	139	160	-21	91	79	12	67	61	6	1	3	-2
Ocean.....	1,155	1,092	63	562	534	28	473	401	72	41	24	17
Ocean.....	362	337	25	134	146	-12	108	111	-3	10	22	-12
Ocean.....	48	52	-4	22	21	19	21	2	-2	4	2	2
Ocean.....	1,687	1,717	-30	1,129	1,254	-125	854	843	11	156	142	14
St. Clair.....	945	967	-22	687	742	-55	404	421	-17	57	64	-7
St. Clair.....	416	479	-63	385	374	11	234	252	-18	16	16	10
St. Clair.....	918	922	-4	383	378	5	299	272	27	26	15	11
St. Clair.....	229	255	-26	72	108	-36	63	65	-2	9	6	3
St. Clair.....	683	617	66	419	468	-49	340	326	14	56	42	7
St. Clair.....	851	806	45	437	439	-2	319	248	71	42	32	10
St. Clair.....	577	572	5	486	464	22	310	277	33	50	43	7
St. Clair.....	816	837	-21	700	763	-93	371	378	-27	50	58	-8
St. Clair.....	15,385	13,782	1,603	8,402	8,693	-291	6,683	6,388	295	1,139	905	234
St. Clair.....	505	547	-42	273	269	4	240	240	0	30	38	-8

*Stillbirths excluded. †Decrease indicated by minus (-) sign.

and over sixty-five years of age, it follows that the counties having proportionally the greatest population covered by these ages will also show the greatest number of deaths.

To obtain an exact basis for marriage rates, the persons married should be compared with the number of unmarried persons of marriageable age in the population. In like manner, divorce rates should be based on the number of married persons in the population affording them. It should be borne in mind, however, in studying this table, that the number of divorces for any stated year cannot be compared directly with the number of marriages in the same year, owing to the fact that the divorces granted are the outcome of marriages performed some years previous. Birth rates should also be based upon the number of married couples (neglecting the small factor of illegitimacy), or, as is usually more convenient, by referring to the number of women of childbearing age in the community.

These considerations are given so that the mistake may not be made of accepting the vital rates given in these tables as absolutely conclusive and hence basing erroneous deductions thereon. Such rates are necessary and form the first step in any statistical investigation of this character, but they require to be fully analyzed before absolutely reliable conclusions can be drawn.

The death rates shown in Table 6 do not, as a rule, vary very widely from the State average of 13.3 per 1,000 estimated population. The same is true with the birth and divorce rates. The marriage rates are also fairly uniform with the exception of Berrien county. The excessive rate of this county (65.3) is brought about by the large number of marriages of non-residents during the summer excursion months. The rate for the county thus obtained as shown by this table, is not, therefore, comparable with other county marriage rates, and the general marriage rate is somewhat affected by this increase.

PART II—BIRTHS IN MICHIGAN DURING THE YEAR 1911.

Birth statistics are important mainly on account of the influence of the birth rate upon the increase, and upon the sex and age distribution of the population. Population, marriage, birth and death statistics are, indeed, so interdependent, that no one of these branches of vital statistics can be efficiently handled without a full acquaintance with the main principles and bearings of them all. Birth statistics, including those of illegitimacy, moreover, possess a social interest apart from their more purely statistical value arising from the relation they bear to population.

The total number of births returned to the Department of State for the year 1911 was 65,756, excluding stillbirths, of which there were 2,403 returned as births.

Table 1, Part I, gives a statement of the births occurring each month of the year, together with the yearly and daily average.

Table 2, Part I, shows the births and birth rates for previous years in comparison with the year 1911.

Table I, of the primary tables, shows the number of births in the different counties of the State by months and sex, following which is shown the number of births in the different cities of the State by months and sex. Table II and Table IIa show the births of the State by counties and cities, with nativity.

SUMMARY OF THE ENUMERATION OF BIRTHS FOR THE YEAR 1911.

Total number of births returned, 1911.....	65,756
Birth rate per 1,000 estimated population, 1911.....	23.0

Distributed by sex, there were:

Male children born in 1911.....	34,013
Female children born in 1911.....	31,743
Males born per 100 births of females.....	107

The parent nativity of children born in 1911, exclusive of births to parents of different nativities, may be stated:

Born to parents both native born, 1911.....	37,674
Born to parents both foreign born, 1911.....	15,866

Plural births:

Twin children.....	1,417
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Illegitimacy:

Illegitimate births, 1911.....	1,083
Illegitimate births per 1,000 births, 1911.....	16.5

RETURNS BY MONTHS AND QUARTERS, 1911.

The distribution of births by months and quarters for the year is shown in Table 8, the rates being distributed through the months very evenly. The maximum monthly rate, 24.4, was in the month of August. January, with a rate of 21.6 was the minimum month for the year. The average monthly number for the year was 5,480.

Table 8.—Births in Michigan by months and quarters, 1911. (Stillbirths excluded).

Year and months.	Number of births.		Average number per day.	Rank.	Birth rate per 1,000 estimated population.	Birth rate as originally printed in <i>Monthly Bulletins</i> .	Increase for delayed returns.
	By months.	By quarters.					
Year 1911.....	65,756	65,756	.....	1,200	23.0	20.4	2.6
January.....	5,225	16,227	168.5	94	21.6	19.0	2.6
February.....	5,233		186.9	104	23.8	21.2	2.6
March.....	5,769		186.1	103	23.8	21.5	2.3
April.....	5,424	16,620	180.8	100	23.2	20.3	2.9
May.....	5,651		182.3	101	23.3	20.7	2.6
June.....	5,545		184.7	102	23.7	22.3	1.4
July.....	5,753	17,249	185.6	103	23.8	20.7	3.1
August.....	5,902		190.4	106	24.4	21.3	3.1
September.....	5,594		186.5	103	23.9	21.4	2.5
October.....	5,274	15,660	170.1	94	21.8	19.3	2.5
November.....	5,117		170.6	95	21.8	19.3	2.5
December.....	5,269		169.7	94	21.8	19.1	2.7
Average.....	5,480	16,439	180.2	180.2	.....	.....	.....

By referring to Table 9, it will be seen that the total number of births for the year recorded in the *Monthly Bulletins*, 58,334, was 7,422 less than the total number of births, 65,756, returned ultimately, and compiled in this report. This apparent great discrepancy is caused from the fact that physicians and midwives are given ten days in which to file certificates, and in many cases when the births occur in the latter part of the month they are not filed in time for forwarding with the regular report, and in consequence are held over until the following month.

Table 9.—Delayed returns of births by months, 1911. (Stillbirths excluded.)

Births returned and published in—	Total births, 1911.	Months of birth, 1911.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Annual registration report	65,756	5,225	5,233	5,769	5,424	5,651	5,545	5,753	5,902	5,594	5,274	5,117	5,269
Monthly Bulletin.....	58,334	4,529	4,651	5,194	4,754	5,000	5,225	5,004	5,149	5,020	4,681	4,513	4,614
Delayed returns.....	7,422	696	582	575	670	651	320	749	753	574	593	604	655
Per cent*.....	11.3	13.3	11.1	10.0	12.4	11.5	5.8	13.0	12.8	10.3	11.2	11.7	12.4

*Per cent of deficiency of Bulletin returns as compared with final figures of report (=100 per cent.)

BIRTHS RETURNED BY MONTHS, 1902-1911.

The number of births returned for each month of the year is shown for the last ten years in Table 10. For the year 1911 the maximum number occurred in the month of August and the minimum number in the month of November.

Table 10.—Births returned, by months, for the years 1902-1911 inclusive. (Stillbirths included).

Years.	Total for year.	Months.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec. Unk.
1902.....	45,546	3,220	3,200	3,881	3,667	3,888	3,786	4,065	4,154	3,963	3,893	3,741	4,049 39
1903.....	46,020	3,227	3,239	3,796	3,752	4,042	3,841	3,848	4,189	4,046	3,976	3,882	4,121 61
1904.....	47,508	3,310	3,509	3,961	3,885	4,102	3,913	4,079	4,312	4,295	4,254	3,732	4,125 31
1905.....	46,976	3,018	3,227	3,959	4,056	4,183	3,867	4,189	4,268	4,089	4,124	3,776	4,192 32
1906*.....	58,599	4,769	4,685	5,474	5,074	4,971	5,023	5,196	5,137	4,784	4,669	4,554	4,563
1907.....	59,029	4,740	4,633	5,214	5,200	5,005	4,699	4,994	5,341	5,112	4,873	4,420	4,798
1908.....	64,722	5,085	5,156	6,125	5,769	5,925	5,385	5,559	5,722	5,334	5,144	4,705	4,863
1909.....	64,323	5,124	5,024	5,747	5,405	5,565	5,271	5,608	5,725	5,488	5,346	4,998	5,022
1910†.....	64,109	5,072	4,939	5,921	5,321	5,600	5,379	5,539	5,711	5,391	5,313	4,885	5,038
1911.....	65,756	5,225	5,233	5,769	5,424	5,651	5,545	5,753	5,902	5,594	5,274	5,117	5,269

Maxima in bold face; minima in *italics*.

*The new law for the immediate registration of births in effect for this year. The returns are, therefore, not comparable with previous years of registration.

†Stillbirths excluded.

NATIVITY OF PARENTS OF CHILDREN BORN IN MICHIGAN, 1911.

The distribution of parent nativity of children born in Michigan during the year 1911 may be seen in Table 11. Over one-half of all the children born (57.9 per cent) had parents both of native birth. A little less than one-fourth of the children born during the year (24.1 per cent) had parents both of foreign birth, while the remainder was of mixed or unknown parent nativity. Of the total number of births for the year 49,598 or 75.4 per cent, had parents one or both of native birth, and 27,395, or 41.7 per cent, had parents one or both of foreign birth.

Table 11.—Parent nativity of children born in Michigan, 1911. (Stillbirths excluded).

Nativity of parents of children, born 1911.	Number of births, 1911.			Per cent of total.		
	Total.	Males.	Females.	Total.	Males.	Females.
All nativities.....	65,756	34,013	31,743	100.0	100.0	100.0
Both native born.....	37,674	19,481	18,193	57.9	57.3	54.2
Both foreign born.....	15,866	8,204	7,662	24.1	24.1	24.1
Foreign father, native mother.....	7,370	3,883	3,487	11.2	11.4	11.0
* Foreign mother, native father.....	4,060	2,036	2,024	6.2	6.0	6.4
Unknown mother, native father.....	37	19	18	0.1	0.1	0.1
Unknown mother, foreign father.....	19	13	6	0.0	0.0	0.0
Unknown father, native mother.....	457	231	226	0.7	0.7	0.7
Unknown father, foreign mother.....	80	43	37	0.1	0.1	0.1
Both unknown.....	193	103	90	0.3	0.3	0.3
One or both native.....	49,598	25,650	23,948	75.4	75.4	75.4
One or both foreign.....	27,395	14,179	13,216	41.7	41.7	41.6

Table 12.—Parent nativity of children born in Michigan for each of the years 1902-1911 inclusive. (Stillbirths included).

Years.	Nativity of parents of children—Per cent of total.												
	Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	One or both unknown.	Father—			Mother—			One or both parents native born.*	One or both parents foreign born.*
						Native.	Foreign.	Unknown.	Native.	Foreign.	Unknown.		
1902.....	48.3	30.6	12.1	7.1	1.9	55.7	42.9	1.4	60.8	37.8	1.4	69.1	51.0
1903.....	48.9	29.6	12.2	7.0	2.3	56.1	42.0	1.9	61.5	36.8	1.7	70.1	50.4
1904.....	50.4	28.2	12.3	6.9	1.4	57.5	40.6	1.9	63.0	35.3	1.7	71.6	49.1
1905.....	52.8	27.2	11.5	6.5	2.0	59.5	38.8	1.7	64.7	33.8	1.5	72.6	46.6
1906†.....	56.1	22.9	12.1	7.2	1.7	63.4	35.0	1.6	69.2	30.3	0.5	76.5	42.5
1907.....	56.9	22.6	11.9	7.0	1.6	64.0	34.5	1.5	69.8	29.8	0.4	76.9	41.8
1908.....	56.8	22.9	12.0	6.8	1.4	63.7	34.9	1.3	69.7	29.9	0.3	76.6	42.0
1909.....	57.3	22.7	11.8	6.7	1.6	64.1	34.5	1.5	70.1	29.6	0.4	76.9	41.4
1910‡.....	57.1	23.7	11.6	6.3	1.3	63.4	35.3	1.3	69.5	30.2	0.3	76.1	42.1
1911.....	57.9	24.1	11.2	6.2	1.2	63.5	35.4	1.1	69.2	30.4	0.4	73.9	41.7

*Including cases where nativity of either parent is unknown.

†See note on Table 10.

‡Stillbirths excluded.

Table 13.—Parent nativity of children born in Michigan during the year 1911, compared with averages for eight quinquennial periods, 1871-1910. (Stillbirths included).

Years and periods averaged.	Nativity of parents—Per cent of total.				
	Both native born.	Both foreign born.	Foreign father and native mother.	Native father and foreign mother.	One or both unknown.
Average, 1871-75.....	44.8	34.3	9.5	5.2	6.2
Average, 1876-80.....	46.0	34.1	11.0	5.7	3.1
Average, 1881-85.....	43.7	35.5	11.5	6.2	2.8
Average, 1886-90.....	42.7	37.6	10.7	6.2	2.1
Average, 1891-95.....	41.5	37.8	11.1	6.5	3.1.
Average, 1896-1900.....	44.3	33.7	11.9	7.2	2.9
Average, 1901-1905.....	49.5	30.1	12.1	7.0	1.8
Average, 1906-1910.....	56.8	23.0	11.9	6.8	1.5
1911*.....	57.9	24.1	11.2	6.2	1.2

*Stillbirths excluded.

PART III—DEATHS AND CAUSES OF DEATHS IN MICHIGAN DURING THE YEAR 1911.

The total number of deaths returned to the Department of State during the year 1911 was 38,007, exclusive of stillbirths, of which there were returned 2,716 on certificates of death.

In Table 1, Part I, may be seen the number of deaths returned for each month of the year, 1911, together with the daily average. The largest number of deaths returned in any single month was in March, the average number being 124.9 deaths per day. The smallest number of deaths and the smallest average number were for the month of June, being 2,661 and 88.7, respectively.

Table 2, Part I, shows the deaths and death rates for previous years in comparison with 1911.

SECTION 1.—INCIDENCE OF DEATHS IN MICHIGAN DURING THE YEAR 1911.

The tables in this section contain statements in regard to the incidence of deaths in the State during the year 1911, arranged to show the following particulars: (1) Deaths from all causes by months; (2) number and proportion of each sex among the decedents; (3) deaths by ages of decedents; (4) geographical distribution of deaths; and (5) location as urban and rural.

Herewith is presented a brief statement of the more prominent facts contained in this section:

Total number of deaths returned, 1911.....	38,007
Death rate per 1,000 estimated population, 1911.....	13.3

In addition to the number of deaths noted above, there were also 2,716 stillbirths included among the returns of deaths but no longer compiled with them:

Stillbirths returned, 1911.....	2,716
Stillbirth rate per 1,000 estimated population.....	1.0

As to the monthly incidence of deaths, we have:

More than average mortality.....	January, February, March, April, May, July.
Less than average mortality.....	June, August, September, October, November, December.
Maximum mortality.....	March, 3,872 or 16.0 per 1,000 estimated population.
Minimum mortality.....	June, 2,661 or 11.4 per 1,000 estimated population.

By sex, there were:

Males dying in Michigan, 1911.....	20,900
Females dying in Michigan, 1911.....	17,107
Ratio of death rate of males to death rate of females.....	114

By age periods, there were, exclusive of stillbirths, deaths as follows:

Under one year of age.....	7,131 or 18.8 per cent
Under five years of age.....	9,357 or 24.6 per cent
Aged five to fourteen years.....	1,455 or 3.8 per cent
Aged fifteen to sixty-four years.....	14,952 or 39.3 per cent
Aged sixty-five years and over.....	12,199 or 32.1 per cent

By geographical sections, we have:

Deaths in the Upper Peninsula	3,742
Deaths in the Northern Counties	3,984
Deaths in the Central Counties	5,551
Deaths in the Southern Counties	24,730

DEATHS BY MONTHS AND QUARTERS, 1911.

Table 14 shows the distribution of deaths in Michigan according to the months and quarters of the year 1911. The maximum monthly rate, 16.0, was in the month of March and the month of least mortality was the month of June, with a rate of 11.4 per 1,000 estimated population. The average number of deaths per month was 3,167.

Table 14.—Deaths in Michigan by months and quarters, 1911. (Stillbirths excluded).

Year and months.	Number of deaths.		Average number per day.	Rank.	Death rate per 1,000 estimated population.	Death rate as originally printed in <i>Bulletin</i> .	Increase for delayed returns.
	By months.	By quarters.					
Year 1911	38,007	38,007	.....	1,200	13.3	13.2	0.1
January	3,530	10,846	{ 113.9	109	14.6	14.1	0.5
February	3,444		{ 123.0	118	15.7	15.3	0.4
March	3,872		{ 124.9	120	16.0	15.6	0.4
April	3,544	9,451	{ 118.1	113	15.1	14.4	0.7
May	3,246		{ 104.7	101	13.4	13.3	0.1
June	2,661		{ 88.7	85	11.4	11.1	0.3
July	3,201	9,126	{ 103.3	99	13.2	13.0	0.2
August	2,979		{ 96.1	92	12.3	12.0	0.3
September	2,946		{ 98.2	94	12.6	12.2	0.4
October	2,815	8,584	{ 90.8	87	11.6	11.4	0.2
November	2,836		{ 94.5	91	12.1	12.0	0.1
December	2,933		{ 94.6	91	12.1	11.8	0.3
Average	3,167	9,502	104.1	100	.....	.....	.....

Table 15.—Delayed returns of deaths by months, 1911. (Stillbirths excluded).

Deaths returned and published in—	Total deaths. 1911.	Months of death, 1911.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Annual registration report	38,007	3,530	3,444	3,872	3,544	3,246	2,661	3,201	2,979	2,946	2,815	2,836	2,933
Monthly Bulletin.....	37,056	3,418	3,366	3,784	3,362	3,210	2,601	3,141	2,898	2,855	2,762	2,800	2,859
Delayed returns.....	951	112	78	88	182	36	60	60	81	91	53	36	74
Per cent*.....	2.5	3.2	2.3	2.3	5.1	1.1	2.3	1.9	2.7	3.1	1.9	1.3	2.5

*Per cent of deficiency of Bulletin as compared with final figures of report (=100 per cent).

By referring to Table 15, it will be seen that the total number of deaths for the year, recorded in the *Monthly Bulletins*, 37,056, was 951 less than the total number of deaths, 38,007, returned ultimately, and compiled in this report. Nevertheless, in the final report as compared with the original returns, there is but slight variation in the death rate for the year, although the monthly differences are somewhat more numerous than usual. They affect the decimal part of the rates only, and hence are well within the limit of accuracy of the statistics generally.

MORTALITY OF THE SEXES IN MICHIGAN, 1911.

The distribution of deaths by sex during the year 1911 is shown in Table 16, together with a comparison with the estimated population of each sex, and also of the results of the preceding years 1890-1911 with the ten year average, 1902-1911.

Table 16.—Deaths and death rates in Michigan by sex, 1890-1911 with 10 year average. (Stillbirths excluded).

Year.	Population.		Number of deaths.		Rates per 1,000 population.		Deaths of males to 100 deaths of females.	Relative male mortality.*
	Males.	Females.	Males.	Females.	Males.	Females.		
1890†	1,091,780	1,002,109	11,801	9,771	10.8	9.8	120.7	110
1891	1,108,970	1,021,857	11,908	9,998	10.7	9.8	119.1	109
1892	1,126,160	1,041,605	11,837	9,809	10.5	9.4	120.7	112
1893	1,143,350	1,061,353	11,772	10,142	10.3	9.6	116.1	107
1894†	1,160,540	1,081,101	11,159	9,744	9.6	9.0	114.5	107
1895	1,177,730	1,100,849	12,161	10,510	10.3	9.5	115.7	108
1896	1,194,920	1,120,597	11,807	10,119	9.9	9.0	116.7	110
1897	1,212,110	1,140,345	10,294	8,829	8.5	7.7	116.6	110
1898	1,229,300	1,160,093	15,624	13,809	12.7	11.9	113.1	107
1899	1,246,490	1,179,841	18,025	15,605	14.5	13.2	115.5	100
1900†	1,248,905	1,172,077	17,948	15,772	14.4	13.5	113.8	107
1901	1,263,632	1,187,240	17,540	15,273	13.9	12.9	114.8	108
1902	1,273,780	1,201,719	17,040	14,432	13.4	12.0	118.0	112
1903	1,286,217	1,216,541	17,780	15,396	13.8	12.0	115.5	115
1904†	1,298,654	1,231,362	18,741	15,753	14.4	12.8	119.0	113
1905	1,311,092	1,246,183	18,785	15,894	14.3	12.8	118.1	112
1906	1,323,529	1,261,004	20,050	16,983	15.1	13.5	118.1	112
1907	1,335,967	1,275,825	20,114	16,587	15.1	13.0	121.3	116
1908	1,348,404	1,290,646	19,753	17,008	14.6	13.2	116.1	111
1909	1,360,842	1,305,467	19,643	16,670	14.4	12.7	117.8	113
1910†	1,454,534	1,355,639	21,753	18,160	15.0	13.4	119.8	112
1911	1,480,514	1,376,352	20,900	17,107	14.1	12.4	122.2	114
Average 1902-1911..	1,347,353	1,276,073	19,455	16,399	14.4	12.9	118.6	112

*Ratio of death rates (not deaths) of males to death rates of females. This comparison eliminates the unequal distribution of the sexes in the population.

†Census years.

Excluding stillbirths, there were 20,900 male decedents and 17,107 female decedents during the year. The respective death rates were 14.1 and 12.4 per 1,000 estimated population. These death rates are strictly comparable only with the years since 1898, as the years previous, 1890-1897, were collected under the very imperfect law that was then in effect. However the relative number of males per one hundred deaths of females for the year, 122.2, is fully comparable with the

corresponding ratios for the preceding years, and the relative male mortality shown in the last column of the table, 114 per cent, which is the ratio of the death rates of males to the death rates of females, taken as 100 per cent, is also correctly shown. As usual, the male mortality somewhat exceeds the female mortality, the number being 3,793.

Table 17.—Deaths in Michigan by sex and age periods, 1911. (Stillbirths excluded).

Ages.	Number of deaths, 1911.			Per cent of deaths at each age to total at all ages.			Per cent of deaths of each sex to total of both sexes.				Excess of the sexes by number.		Males to 100 females.
	Total.	Male.	Female.	Total.	Male.	Female.	Male.	Female.	Excess.		Male.	Female.	
									Male.	Female.			
ALL AGES.....	38,007	20,900	17,107	100.0	100.0	100.0	55.0	45.0	10.0	.....	3,793	.....	122
Under 1 year.....	7,131	4,098	3,033	18.8	20.0	17.7	57.5	42.5	15.0	.....	1,065	.....	135
1 year.....	1,108	592	516	2.9	2.9	3.0	53.4	46.6	6.8	.....	76	.....	115
2 years.....	521	281	240	1.4	1.3	1.4	53.9	46.1	7.8	.....	41	.....	112
3 years.....	339	168	171	0.9	0.8	1.0	49.5	50.5	.....	1.0	.....	3	98
4 years.....	258	142	116	0.7	0.7	0.7	55.0	45.0	10.0	.....	26	.....	122
Under 5 years.....	9,357	5,281	4,076	24.6	25.2	23.8	56.4	43.6	12.8	.....	1,805	.....	130
5 to 9 years.....	834	447	387	2.2	2.1	2.3	53.5	46.5	7.0	.....	60	.....	116
10 to 14 years.....	621	349	272	1.9	1.7	1.6	57.8	42.2	15.6	.....	77	.....	128
15 to 19 years.....	902	503	399	2.4	2.5	2.3	55.8	44.2	11.6	.....	104	.....	127
20 to 24 years.....	1,338	672	666	3.5	3.2	3.8	42.7	57.3	.....	14.6	6	.....	101
25 to 29 years.....	1,391	718	673	3.7	3.4	3.3	51.6	48.4	3.2	.....	45	.....	107
30 to 34 years.....	1,266	634	632	3.3	3.0	3.7	50.0	50.0	.....	.....	2	.....	100
35 to 39 years.....	1,286	647	639	3.4	3.1	3.7	50.3	49.7	0.6	.....	8	.....	101
40 to 44 years.....	1,272	697	575	3.3	3.2	3.4	54.8	45.2	9.6	.....	122	.....	121
45 to 49 years.....	1,519	847	672	4.0	4.5	3.9	55.8	44.2	11.6	.....	175	.....	126
50 to 54 years.....	1,818	1,030	788	4.8	4.8	4.6	51.2	48.8	2.4	.....	242	.....	131
55 to 59 years.....	1,899	1,082	817	5.0	5.2	4.8	57.5	42.5	15.0	.....	265	.....	132
60 to 64 years.....	2,261	1,288	973	5.9	6.2	5.7	56.9	43.1	13.8	.....	315	.....	132
65 to 69 years.....	2,689	1,492	1,197	7.1	7.1	7.0	55.5	44.5	11.0	.....	295	.....	125
70 to 74 years.....	3,038	1,667	1,371	8.0	8.0	8.1	54.8	45.2	9.6	.....	298	.....	122
75 to 79 years.....	2,752	1,523	1,229	7.2	7.3	7.0	55.3	44.7	10.6	.....	294	.....	124
80 years and over.....	3,720	1,986	1,734	9.8	9.5	10.1	53.3	46.7	6.6	.....	252	.....	115
Unknown ages.....	44	37	7	0.1	0.1	0.0	82.8	17.2	65.6	.....	30	.....	529

VITAL STATISTICS OF MICHIGAN, 1911.

DEATHS BY SEXES AND AGE PERIODS, 1911.

The data showing the general distribution of deaths returned for the year 1911, distinguishing the sexes and age periods of the decedents is shown in Table 17. The relation of the numbers of deaths at each year under five and at quinquennial age periods up to the age of eighty years is given. It will be noted that 18.8 per cent of the total number of deaths in the State were under one year of age, and 24.6 per cent in the age period under five years. In other words practically one-fourth of the total number of deaths recorded for the year were those of children under five years of age, the percentage of males being slightly higher than for the females.

Table 18.—Deaths and death rates in Michigan by age periods and sex, 1911. (Stillbirths excluded).

Ages.	Estimated population, 1911.			Deaths, 1911.			Death rates per 1,000 estimated population of same age and sex, 1911.			Relative male mortality.
	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	
ALL AGES.....	2,856,866	1,480,514	1,376,352	38,007	20,900	17,107	13.3	14.1	12.4	122
Under 1 year.....	62,863	31,786	31,017	7,131	4,098	3,033	112.0	125.8	97.8	135
1 year.....	57,843	29,173	28,670	1,108	592	516	19.2	20.3	18.0	115
2 years.....	61,902	31,572	30,331	521	281	240	8.4	8.9	7.9	117
3 years.....	61,266	31,101	30,165	339	168	171	5.4	5.4	5.7	98
4 years.....	60,223	30,382	29,841	258	142	116	4.3	4.7	3.9	122
Under 5 years.....	304,088	154,616	150,083	9,357	5,281	4,076	30.8	34.3	27.1	129
5 to 9 years.....	276,729	140,088	136,641	834	447	387	3.1	3.1	2.8	116
10 to 14 years.....	257,578	130,096	127,482	621	349	272	2.4	2.7	2.1	128
15 to 19 years.....	270,369	137,543	132,826	902	503	399	3.3	3.7	3.0	127
20 to 24 years.....	270,302	139,610	130,692	1,338	672	666	5.0	4.9	5.1	101
25 to 29 years.....	245,839	129,291	116,547	1,391	718	673	5.7	5.6	5.8	107
30 to 34 years.....	215,688	112,679	103,010	1,266	634	632	5.9	5.6	6.1	100
35 to 39 years.....	194,781	102,018	92,763	1,286	647	639	6.6	6.2	6.9	101
40 to 44 years.....	172,849	90,721	82,128	1,272	697	575	7.3	7.7	7.0	121
45 to 49 years.....	154,457	81,704	72,751	1,519	847	672	9.8	10.3	9.2	126
50 to 54 years.....	139,624	74,719	64,905	1,818	1,030	788	13.0	13.9	12.2	131
55 to 59 years.....	105,565	57,058	48,507	1,899	1,082	817	18.0	18.9	16.8	132
60 to 64 years.....	84,881	44,910	39,907	2,261	1,288	973	26.6	28.7	24.3	133
65 to 69 years.....	68,435	36,125	32,310	2,689	1,492	1,197	39.3	41.6	37.5	124
70 to 74 years.....	44,732	23,346	21,386	3,038	1,667	1,371	67.9	71.4	61.3	119
75 to 79 years.....	27,933	14,510	13,423	2,752	1,523	1,229	98.5	105.0	90.8	124
80 years and over.....	19,601	9,861	9,740	3,720	1,986	1,734	189.8	201.4	178.0	115
Unknown ages.....	3,469	2,220	1,249	44	37	7	12.7	16.7	5.6	529

In order to obtain a more satisfactory statement of the mortality of the sexes by ages, Table 18 has been prepared, showing the populations for these ages.

Considered with reference to the sex distribution of the population the death rate of males for the year, 14.1 per 1,000 estimated population, as compared with the rate of females for the year, 12.4 per 1,000 estimated population, represents a male mortality of 122 per cent.

BIRTHS AND DEATHS IN CITIES OF MICHIGAN, 1911.

Table 19 shows the total number of births and the total number of deaths reported for the year 1911 from each city of the State, together with the population as given by the United States Census of 1910. The total urban population of the State, including several small cities with populations considerably less than 1,000 is 1,329,623. The total number of births returned for the year was 32,992, the birth rate being 23.9 per 1,000 estimated population. The total number of deaths returned for the year from all cities was 19,409, with a rate of 14.1 per 1,000 estimated population.

The group of cities over 50,000, consisting of Detroit, Grand Rapids and Saginaw, returned 17,380 births and 9,397 deaths for the year. It will be seen that this group returned more than fifty per cent of the births and nearly fifty per cent of the deaths.

In the group of cities, 25,000 to 50,000, Bay City shows the highest birth rate, 22.9 per 1,000 estimated population, while Kalamazoo shows the highest death rate, 17.5.

The group of cities from 10,000 to 25,000 shows a birth rate of 23.2 and a death rate of 15.2. The highest birth rate in this group is for the city of Ironwood, 33.3, and the highest death rate is for the city of Ann Arbor, 22.6.

The group of cities from 5,000 to 10,000 has a birth rate of 23.0 and a death rate of 13.9. Negaunee shows the highest birth rate and Mt. Clemens shows the highest death rate.

Cities under 5,000 population, which should hardly be included in the class of cities as usually studied in registration reports, show a birth rate of 20.4 and a death rate of 13.4 per 1,000 estimated population.

Table 19.—Cities of Michigan, grouped in order of population by U. S. Census of 1910, showing number of births and deaths registered with rates per 1,000 estimated population. (Stillbirths excluded).

Cities grouped according to population at last census.	Total population by U. S. census of 1910.	Total births, 1911.	Annual birth rates per 1,000 estimated population.	Total deaths, 1911.	Annual death rates per 1,000 estimated population.
ALL CITIES	1,329,623	32,992	23.9	19,409	14.1
CITIES OVER 50,000	628,847	17,380	26.5	9,397	14.3
Detroit	465,766	13,668	27.9	7,115	14.5
Grand Rapids	112,571	2,770	24.0	1,581	13.7
Saginaw	50,510	942	18.4	701	13.7
CITIES FROM 25,000 to 50,000	211,082	4,401	19.9	2,835	12.8
Battle Creek	25,267	487	18.9	399	15.5
Bay City	45,166	1,050	22.9	563	12.3
Flint	38,550	808	19.0	402	9.5
Jackson	31,433	586	18.1	409	12.6
Kalamazoo	39,437	869	21.2	717	17.5
Lansing	31,229	601	18.2	345	10.4
CITIES FROM 10,000 to 25,000	203,817	4,785	23.2	3,136	15.2
Adrian	10,763	156	14.5	152	14.1
Alpena	12,706	233	18.3	216	16.9
Ann Arbor	14,817	335	22.6	336	22.6
Escanaba	13,194	321	23.7	181	13.4
Holland	10,490	326	30.3	113	10.5
Ironwood	12,821	442	33.3	114	8.6
Ishpeming	12,448	356	28.3	124	9.9
Manistee	12,381	275	22.3	172	14.0
Marquette	11,503	289	24.8	201	17.3
Menominee	10,507	235	22.6	137	13.2
Muskegon	24,062	603	24.5	364	14.8
Pontiac	14,532	337	22.3	315	20.8
Port Huron	18,863	368	19.7	298	16.0
Sault Ste. Marie	12,615	322	25.1	163	12.7
Traverse City	12,115	187	13.3	250	20.1
CITIES FROM 5,000 to 10,000	153,099	3,600	23.0	2,180	13.9
Albion	5,833	134	22.4	87	14.5
Benton Harbor	9,185	111	11.6	123	12.8
Boyne City	5,218	156	27.5	62	10.9
Cadillac	8,375	227	26.3	125	14.5
Cheboygan	6,859	176	25.6	73	10.6
Coldwater	5,945	91	15.4	98	16.6
Dowagiac	5,088	119	22.9	74	14.2
Grand Haven	5,856	141	23.7	76	12.8
Hancock	8,981	290	30.6	138	14.6
Hillsdale	5,001	83	16.5	79	15.7
Ionia	5,030	94	18.8	71	14.2
Iron Mountain	9,216	229	24.6	81	8.7
Ludington	9,132	223	23.6	115	12.2
Monroe	6,893	184	26.2	118	18.6
Mt. Clemens	7,707	177	22.7	160	20.5
Negaunee	8,460	281	32.2	114	13.0
Niles	5,156	102	19.5	71	13.5
Owosso	9,639	212	21.8	132	13.6
St. Joseph	5,936	122	20.2	72	11.9
Three Rivers	5,072	81	15.4	76	14.4
Wyandotte	8,287	279	31.8	142	16.2
Ypsilanti	6,230	88	14.7	93	15.5

Table 19.—Concluded.—Cities of Michigan, grouped in order of population by U. S. Census of 1910, showing number of births and deaths registered with rates per 1,000 estimated population. (Stillbirths excluded).

Cities grouped according to population at last census.	Total population by U. S. census of 1910.	Total births, 1911.	Annual birth rates per 1,000 estimated population.	Total deaths, 1911.	Annual death rates per 1,000 estimated population.
CITIES UNDER 5,000.	132,778	2,826	20.4	1,861	13.4
Allegan.....	419	50	14.1	53	15.0
Alma.....	2,757	66	23.7	34	12.2
Au Gres.....	252	6	23.8	9	35.7
Au Sable.....	648	8	13.3	8	13.3
Bad Axe.....	1,559	25	4.8	32	6.2
Beaverton.....	418	15	40.1	14	37.4
Belding.....	4,119	69	16.4	37	8.8
Bessemer.....	4,583	150	31.1	49	10.1
Big Rapids.....	4,519	82	18.4	77	17.2
Brown City.....	690	26	37.6	9	11.6
Charlevoix.....	2,420	50	20.6	26	10.7
Charlotte.....	4,886	67	13.6	69	14.0
Clare.....	1,350	25	18.7	13	9.7
Coleman.....	909	5	5.6	10	11.1
Corunna.....	1,384	28	20.8	23	17.1
Crowell.....	1,380	34	23.4	21	14.5
Crystal Falls.....	3,775	94	24.1	13	3.3
East Jordan.....	2,516	42	15.3	40	14.6
East Lansing.....	802	18	22.4	4	5.0
East Tawas.....	1,452	30	21.6	11	7.9
Eaton Rapids.....	2,094	18	8.7	42	20.2
Gladstone.....	4,211	158	26.5	44	10.2
Gladwin.....	988	22	22.7	13	13.4
Grand Ledge.....	2,893	60	20.2	51	17.2
Greenville.....	4,045	68	16.4	57	13.7
Harbor Beach.....	1,556	38	24.0	20	12.6
Harrison.....	543	7	12.9	8	14.8
Harrisville.....	444	13	29.5	8	18.1
Hastings.....	4,383	69	15.3	75	16.6
Hudson.....	2,178	35	16.2	36	16.7
Lapeer.....	3,946	58	14.4	69	17.1
McBain.....	546	15	28.0	3	5.6
Mackinac Island.....	714	10	14.1	12	16.9
Manistiquie.....	4,722	134	28.3	41	8.6
Marine City.....	3,770	65	17.2	63	16.7
Marshall.....	4,236	61	14.5	60	14.2
Mason.....	1,742	18	10.5	21	12.3
Midland.....	2,527	46	18.2	35	13.8
Mt. Pleasant.....	3,972	72	18.5	42	10.8
Muskegon Heights.....	1,690	49	27.2	18	10.0
North Muskegon.....	352	6	17.7	8	23.6
Norway.....	4,974	144	28.9	61	12.2
Omer.....	367	10	28.4	3	8.5
Onaway.....	2,702	130	47.3	34	12.4
Petoskey.....	4,778	96	20.4	83	17.6
Rose City.....	542	12	22.1	4	7.0
Sandusky.....	993	18	17.4	14	13.5
St. Clair.....	2,633	51	19.4	34	12.9
St. Ignace.....	2,118	56	26.4	30	14.1
St. Johns.....	3,154	43	14.1	44	14.4
St. Louis.....	1,940	38	20.6	49	26.5
Scottville.....	891	20	22.1	8	8.9
South Haven.....	3,577	53	15.0	59	16.6
Standish.....	828	10	14.1	13	18.4
Stanton.....	1,012	19	19.1	22	22.1
Sturgis.....	3,635	86	22.6	57	15.0
Tawas City.....	1,061	17	16.5	12	11.7
West Branch.....	1,276	19	15.3	15	12.1
Whittemore.....	218	6	27.5	0	.....
Yale.....	1,223	29	23.6	17	13.9
Zeeland.....	1,982	57	27.8	24	11.7

*Stillbirths excluded from births and deaths.

SECTION II.—CAUSES OF DEATH IN MICHIGAN DURING THE YEAR 1911.

The most important part of a registration report consists of the statistics relating especially to individual causes of death because, without a knowledge of the prevalence of different diseases, intelligent efforts cannot be made for their restriction and prevention on the part of sanitary officers; or, if such efforts are made, it cannot be definitely known what measures of success or failure they have attained. Accurate vital statistics are considered absolutely essential instruments of modern sanitary progress, and no class of information collected under this head is of such paramount importance as the knowledge of the mortality from individual diseases and groups of diseases.

A tabular exhibition of the deaths and death rates from each cause of death in Michigan for the year 1911 according to the Bertillon classification may be found in Table 20, and a condensed list, showing the mortality by the geographical sections of the State for the months of the year and also for the various age periods is given in Table 21.

Examination of the deaths recorded in Table 20 will show that many of the causes are quite insignificant as regards number, and that very little sacrifice of statistical completeness would be made by their entire omission or rather inclusion under some more general title. It will also be much more convenient to study an abbreviated list, as the various relations of the mortality in the geographical sections can thus be shown without an undue sacrifice of space. While the number of titles should be abbreviated, the general outline of the classification in its extended form should be scrupulously preserved, so that comparisons may be accurately made. This cannot be done when certain diseases are left out of their proper positions by being relegated to the unclassified list at the end of the table, as the proportion of the preceding groups is thereby destroyed. Hence Table 21 was devised for the purpose of showing the general relations of the causes of death in the State during the year in a correct manner, but greatly abridged from the longer classification.

Table 20.—Deaths in Michigan during the year 1911, according to the detailed international classification of causes of death, with rates per 100,000 estimated population. (Stillbirths excluded).

Classification number.	Cause of death.	Number of deaths.	Death rates per 100,000 estimated population.
	ALL CAUSES.....	38,007	1,330.4
	GENERAL DISEASES.		
	I. EPIDEMIC DISEASES.....	2,559	89.6
1	Typhoid fever.....	551	19.3
4	Malarial fever.....	14	0.5
5	Smallpox.....	7	0.2
6	Measles.....	200	7.0
7	Scarlet fever.....	208	7.3
8	Whooping cough.....	254	8.9
9	{ Diphtheria.....	431	15.1
	{ Croup.....	42	1.5
10	Influenza.....	603	21.1
13	Cholera nostras.....	18	0.6
14	Dysentery.....	87	3.0
18	Erysipelas.....	141	4.9
19	Other epidemic diseases.....	3	0.1
	II. OTHER GENERAL DISEASES.....	6,476	226.7
20	Septicemia.....	214	7.5
24	Tetanus.....	35	1.2
	Tuberculosis.....	2,766	96.8
28	{ Tuberculosis of lungs.....	2,284	79.9
29	{ Miliary tuberculosis.....	46	1.6
30	{ Tubercular meningitis.....	128	4.5
31	{ Abdominal tuberculosis.....	153	5.4
32	{ Potts disease.....	30	1.1
33	{ White swelling.....	8	0.3
34	{ Tuberculosis of other organs.....	76	2.7
35	{ Disseminated tuberculosis.....	41	1.4
37-38	Veneral diseases.....	104	3.6
	Cancer.....	2,142	75.0
39	{ Cancer of mouth.....	83	2.9
40	{ Cancer of stomach and liver.....	917	32.1
41	{ Cancer of intestines.....	306	10.7
42	{ Cancer of genital organs.....	273	9.6
43	{ Cancer of breast.....	175	6.1
44	{ Cancer of skin.....	114	4.0
45	{ Cancer of other organs.....	274	9.6
46	Tumors.....	52	1.8
47-48	Rheumatism.....	152	5.3
50	Diabetes.....	373	13.1
53-54	Anemia.....	340	11.9
56	Alcoholism.....	89	3.1
57-59	Chronic poisoning.....	23	0.8
55	Other general diseases.....	186	6.5
	LOCAL DISEASES.		
	III. DISEASES OF NERVOUS SYSTEM.....	4,578	160.2
60	Encephalitis.....	73	2.6
61	Meningitis.....	487	17.0
62	Locomotor ataxia.....	53	1.9
63	Other diseases of spinal cord.....	151	5.3
63.1	Poliomyelitis.....	55	1.9
64	Apoplexy.....	2,080	72.8
65	Softening of brain.....	53	1.9
66	Paralysis.....	783	27.4
67	General paralysis of insane.....	74	2.6
68	Other forms of mental diseases.....	67	2.3
69	Epilepsy.....	125	4.4
70-71	Convulsions.....	391	13.7
73-76	Other diseases of nervous system.....	186	6.5

Table 20.—Continued.—Deaths in Michigan during the year 1911, according to the detailed international classification of causes of death, with rates per 100,000 estimated population. (Stillbirths excluded).

Classification number.	Cause of death.	Number of deaths.	Death rates per 100,000 estimated population.
	IV. DISEASES OF CIRCULATORY SYSTEM.	5,348	187.8
77	Pericarditis.	46	1.6
78	Endocarditis.	197	6.9
79	Heart disease.	4,151	145.3
80	Angina pectoris.	245	8.6
81	Diseases of arteries.	529	18.5
82	Embolism.	143	5.0
83	Diseases of veins.	2	0.1
84	Diseases of lymphatics.	9	0.3
85	Other diseases of circulatory system.	26	0.9
	V. DISEASES OF RESPIRATORY SYSTEM.	4,032	141.1
87	Diseases of the larynx.	61	2.1
88	Diseases of the thyroid body.	19	0.7
89	Acute bronchitis.	426	14.9
90	Chronic bronchitis.	290	10.2
91	Bronchopneumonia.	805	28.2
92	Pneumonia.	1,958	68.5
93	Pleurisy.	105	3.7
94	Congestion of lungs.	195	6.8
95	Gangrene of the lung.	7	0.2
96-97	Asthma and emphysema.	79	2.8
98	Other diseases of the respiratory system (tuberculosis excepted).	87	3.0
	VI. DISEASES OF THE DIGESTIVE SYSTEM.	4,431	155.1
99	Diseases of the mouth.	17	0.6
100	Diseases of the pharynx.	57	2.0
101	Diseases of the oesophagus.	6	0.2
102	Ulcer of the stomach.	91	3.2
103	Other diseases of the stomach.	599	21.0
104	Diarrhoea and enteritis (under 2 years).	1,598	55.9
105	Diarrhoea and enteritis (over 2 years).	425	14.9
108	Appendicitis.	258	9.0
	Hernia.	368	12.9
109	Obstruction of intestines.	0	0.0
	Other diseases of the intestines.	86	3.0
111	Acute yellow atrophy of the liver.	18	0.6
112	Hydatid tumor of liver.	2	0.1
113	Cirrhosis of liver.	278	9.7
114	Biliary calculi.	64	2.2
115	Other diseases of the liver.	208	7.3
116	Diseases of the spleen.	5	0.2
117	Peritonitis.	336	11.8
118	Other diseases of the digestive system.	15	0.5
	VII. DISEASES OF THE GENITO-URINARY SYSTEM.	2,360	82.6
119	Acute nephritis.	207	7.2
120	Bright's disease.	1,745	61.1
121-122	Other diseases of the kidneys.	65	2.3
123	Calculi of urinary passages.	12	0.4
124	Diseases of the bladder.	159	5.6
129	Uterine tumor.	32	1.1
128-130	Other diseases of the uterus.	29	1.0
131	Ovarian tumor.	24	0.8
125-126-127-132-133	Other diseases of the genito-urinary system.	87	3.0
	VIII. CHILDBIRTH.	451	15.8
137	Puerperal septicaemia.	251	8.8
138	Puerperal convulsions.	74	2.6
134-135-136-139-140-141	Other causes incident to childbirth.	126	4.4
	IX. DISEASES OF THE SKIN.	217	7.6
142	Gangrene.	151	5.3
143	Furuncle.	8	0.3
144	Abscess.	23	0.8
145	Other diseases of the skin.	35	1.2

CAUSES OF DEATHS.

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Table 20.—Concluded.—Deaths in Michigan during the year 1911, according to the detailed international classification of causes of death, with rates per 100,000 estimated population. (Stillbirths excluded).

Classification number.	Cause of death.	Number of deaths.	Death rates per 100,000 estimated population.
	X. DISEASES OF THE LOCOMOTOR SYSTEM	40	1.4
146	Diseases of the bones	30	1.1
147	Diseases of the joints	8	0.3
148-149	Other diseases of the locomotor system	2	0.1
	XI. MALFORMATIONS	445	15.6
150	Congenital malformations	445	15.6
	XII. EARLY INFANCY	2,618	91.6
151	Congenital debility, icterus, sclerema	2,223	77.8
152-153	Other causes peculiar to early infancy	395	13.8
	XIII. OLD AGE	1,443	50.5
154	Old age	1,443	50.5
	XIV. VIOLENCE	2,617	91.6
	<i>Suicide</i>	<i>428</i>	<i>15.0</i>
155	Suicide by poison	169	5.9
156	Suicide by asphyxia	15	0.5
157	Suicide by hanging	76	2.7
158	Suicide by drowning	20	0.7
159	Suicide by firearms	115	4.0
160	Suicide by cutting instruments	25	0.9
161	Suicide by jumping from high places	2	0.1
162	Suicide by crushing	0	.....
163	Suicide by other or unspecified means	6	0.2
	<i>Accidents</i>	<i>2,181</i>	<i>74.8</i>
164-165	Accidental poisoning	104	3.6
166	Conflagration	42	1.5
167	Burns (conflagration excepted)	173	6.1
168	Absorption of deleterious gases	38	1.3
169	Accidental drowning	355	12.4
170	Traumatism by firearms	65	2.3
171	Traumatism by cutting instruments	3	0.1
172	Traumatism by fall	229	8.0
173	Traumatism in mines and quarries	131	4.6
174	Traumatism by machinery	41	1.4
175.1	Traumatism by railroads	275	9.6
175.2	Traumatism by electric railway	115	4.0
175.3	Traumatism by automobile	44	1.5
175.4	Traumatism by other vehicles	74	2.6
176	Traumatism by animals	41	1.4
178	Cold and freezing	14	0.5
179	Effects of heat	57	2.0
180	Lightning	16	0.6
181	Electricity (lightning excepted)	33	1.2
185	Fractures (causes not specified)	51	1.8
175-177-186	Other accidental traumatisms	220	7.7
	<i>Homicide</i>	<i>68</i>	<i>2.4</i>
182-183-184	Homicide	68	2.4
	XV. ILL DEFINED DISEASES	592	15.7
187-188-189	Ill-defined organic disease	281	9.8
Un.	Unknown	111	3.9

VITAL STATISTICS OF MICHIGAN, 1911.

Table 21.—Causes of death in Michigan, by months and ages, for the

Line number.	Causes of death, 1911.	Total deaths 1911.	Rate per 100,000 estimated population.	Months of death, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES.....	38,007	1,330.4	3,530	3,444	3,872	3,544	3,246	2,661	3,201	2,979	2,946	2,815	2,836	2,933
2	Typhoid.....	551	19.3	37	43	52	44	36	34	46	54	55	62	48	40
3	Malarial fever.....	14	0.5	1	1	1	1	4	.....	3	1	1	.....	1	1
4	Smallpox.....	7	0.2	2	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	Measles.....	200	7.0	20	19	34	30	27	20	24	4	3	7	9	9
6	Scarlet fever.....	208	7.3	23	18	23	27	29	13	11	10	10	12	23	9
7	Whooping cough.....	254	8.9	15	21	37	32	26	21	25	16	18	13	13	17
8	Diphtheria and croup.....	473	16.6	50	29	32	41	27	22	27	23	40	67	68	47
9	Influenza.....	603	21.1	99	139	154	103	41	9	4	5	4	11	14	20
10	Dysentery.....	87	3.0	4	4	4	2	3	5	7	20	21	9	4	4
11	Erysipelas.....	141	4.9	16	16	26	28	14	5	4	4	4	6	10	8
12	Other epidemic diseases.....	21	0.7	1	.....	1	3	.....	.....	2	4	3	1	2	1
13	Tuberculosis of lungs.....	2,284	79.9	204	195	258	237	218	199	178	148	161	147	165	174
14	Other forms of tuberculosis.....	482	16.9	48	35	61	50	41	34	40	30	37	35	39	32
15	Cancer.....	2,142	75.0	194	152	207	161	191	171	175	167	163	186	188	187
16	Rheumatism.....	152	5.3	11	17	20	18	16	17	14	7	8	6	9	9
17	Diabetes.....	373	13.1	44	32	34	35	29	12	36	33	22	36	31	29
18	Other general diseases.....	1,043	36.5	88	88	99	94	115	64	95	88	93	94	69	56
19	Meningitis.....	487	17.0	32	53	61	60	44	30	43	35	31	40	38	40
20	Apoplexy.....	2,080	72.8	205	178	190	225	167	162	161	138	143	153	183	175
21	Paralysis.....	783	27.4	71	68	69	73	54	71	77	62	56	50	51	81
22	Convulsions.....	391	13.7	44	37	58	37	38	21	29	14	26	30	29	28
23	Other diseases of the nerves.....	837	29.3	90	83	62	81	67	61	94	59	49	56	75	60
24	Heart disease.....	4,151	145.3	383	346	387	367	398	308	315	309	306	292	362	378
25	Other diseases of circulatory system.....	1,197	41.9	107	113	112	120	87	119	95	85	86	104	77	92
26	Bronchitis.....	716	25.1	114	100	104	70	54	24	25	19	35	45	63	63
27	Bronchopneumonia.....	805	28.2	123	144	124	94	67	29	20	28	22	44	51	59
28	Pneumonia.....	1,958	68.5	293	341	314	245	143	62	36	59	56	86	136	187
29	Other diseases of respiratory system.....	553	19.4	62	51	61	65	44	39	41	38	32	27	43	50
30	Diseases of stomach.....	690	24.2	60	57	65	49	44	43	70	61	81	64	47	49
31	Diarrhea and enteritis (under 2 years).....	1,598	55.9	63	56	60	56	94	79	246	362	322	163	59	38
32	Diarrhea and enteritis (over 2 years).....	425	14.9	21	22	21	22	29	27	48	83	61	44	24	23
33	Hernia and obstruction of bowels.....	368	12.9	36	32	40	25	31	29	31	24	27	33	30	30
34	Cirrhosis of liver.....	278	9.7	20	21	29	24	20	14	29	24	23	23	18	33
35	Other diseases of liver.....	292	10.2	17	19	26	33	32	19	27	30	18	21	27	23
36	Peritonitis.....	336	11.8	23	26	33	30	41	33	29	29	25	20	29	18
37	Appendicitis.....	258	9.0	18	20	18	20	29	22	31	27	21	18	14	20
38	Other diseases of digestive system.....	186	6.5	19	18	17	19	18	15	14	15	16	10	11	14
39	Bright's disease.....	1,745	61.1	171	125	178	189	148	115	134	126	142	124	145	148
40	Other diseases of genito-urinary system.....	615	21.5	46	40	61	56	60	42	51	49	53	57	51	49
41	Puerperal septicemia.....	251	8.8	17	29	28	25	33	11	18	14	17	11	18	30
42	Other puerperal diseases.....	200	7.0	12	27	16	16	17	19	18	18	15	11	16	15
43	Skin diseases.....	217	7.6	26	15	17	19	21	17	23	14	13	18	12	22
44	Diseases locomotor system.....	40	1.4	1	7	4	1	5	3	3	1	4	4	3	4
45	Malformations.....	445	15.6	34	48	44	31	32	40	32	32	34	32	39	47
46	Premature birth.....	2,223	77.8	171	180	180	192	170	178	227	202	229	183	149	162
47	Congenital debility.....	395	13.8	45	33	43	30	30	35	42	22	28	31	31	25
48	Old age.....	1,443	50.5	151	135	177	144	132	93	108	85	83	98	103	134
49	Suicide.....	426	15.0	30	34	41	39	37	46	47	43	27	34	21	29
50	Accidents.....	2,121	74.2	141	128	148	138	201	208	304	213	179	162	150	149
51	Homicides.....	68	2.4	4	6	4	6	6	4	10	7	5	9	8	2
52	Causes ill-defined.....	392	13.7	27	39	36	37	33	17	32	38	38	30	32	33

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State and geographical sections, 1911. (Stillbirths excluded). State.

Ages of decedents, 1911.																									Line number.
Ages in years under five.					Ages in five-year periods.																				
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.			
7131	1108	521	339	258	9,357	834	621	902	1338	1391	1266	1286	1272	1519	1818	1899	2261	2689	3038	2752	3720	44	1		
6	4	9	3	13	35	27	36	63	93	56	62	33	21	26	41	19	18	10	6	4	1	2	2		
					1					1			2	3	1	2		2	1	2			3		
49	58	20	13	7	147	24	12	3	3	3	2	2	2	1		1	1			1			4		
13	23	32	34	19	121	51	17	4	4	2	2	2	4	1									5		
177	41	17	8	3	246	5			1				1			1					1		6		
11	43	59	54	47	214	172	50	13	9	7	3		3	1	1		1						7		
38	11	4	2	1	56	4	11	12	10	9	9	13	14	17	19	27	29	46	86	100	140	1	8		
13	8	5	1	1	28	1			1	1	1	1	2	3	2	3	1	7	13	9	15	9	9		
38	1				39		1	1	1	1	3	6	8	4	5	13	8	7	11	17	5	12	10		
7			1		8	1	1	1		1				1		2			2	1	3		11		
22	9	11	3	7	52	14	38	222	372	362	290	219	153	131	129	80	87	52	49	20	12	2	13		
29	28	14	12	5	88	36	25	32	35	45	36	33	27	23	19	27	22	13	11	7	3		14		
7	2	1	2	2	14	7	4	4	12	21	38	49	109	184	248	243	305	296	266	199	143		15		
3	2	4	1		1	15	8	9	5	3	6	7	4	6	12	6	7	15	13	19	16		16		
143	24	11	6	12	10	7	22	13	19	11	17	22	14	16	32	46	33	38	40	22	11		17		
					196	24	24	23	46	56	53	73	56	84	74	74	59	78	55	35	28	5	18		
147	65	28	22	13	275	48	29	19	14	12	10	20	8	12	11	12	3	4	4	5	1		19		
25	2				29	3	4	9	7	12	28	26	55	74	142	153	236	325	349	291	335	2	20		
3			1		4	1	2	2	3	5	9	15	27	30	43	49	73	96	117	127	178		21		
336	24	8	5	3	376	5	1	1	3	1			2			1							22		
35	14	12	11	2	74	18	20	23	25	41	50	37	47	63	55	73	60	82	74	49	45	1	23		
66	4	4	1	4	79	25	47	33	54	76	79	94	133	178	251	324	456	582	644	529	563	4	24		
26	4	5	1	2	38	22	15	20	22	30	16	36	39	48	60	72	88	156	175	160	200		25		
229	43	30	13	5	320	4	2	2	5	3	4	8	9	7	11	16	19	42	50	74	140		26		
335	116	36	19	12	518	20	9	8	4	5	6	11	4	11	9	18	22	35	33	38	54		27		
328	106	30	15	15	494	48	28	42	66	71	66	78	70	109	109	112	131	123	154	131	126		28		
67	15	10	8	6	106	9	9	5	11	22	16	22	19	22	29	30	43	44	49	49	68		29		
240	29	7	5	3	284	5	4	7	5	15	11	16	19	32	27	32	31	30	53	57	62		30		
1309	289				1,598																		31		
		68	28	15	111	30	6	4	9	9	10	10	16	10	16	18	18	28	30	46	54		32		
55	4	5	5	2	71	8	5	4	12	13	11	10	22	14	24	26	33	29	29	35	22		33		
2			1		3	1		2	2	1	5	12	15	30	26	31	39	29	34	31	17		34		
10	1	2	2	1	16	2	3	2	14	15	12	14	16	15	23	14	27	30	34	29	26		35		
21	2	4	3	4	34	11	20	23	42	35	31	29	15	23	15	17	9	8	10	7	7		36		
2			2		6	33	38	32	36	29	17	19	12	10	9	2	8	3	4				37		
30	4	5	5	4	48	14	5	3	4	10	10	9	7	12	6	7	8	11	11	8	12	1	38		
15	5	2		2	24	15	13	20	27	38	47	62	73	96	144	160	197	198	246	195	190		39		
30	9	5	3	5	52	10	8	4	24	20	34	32	39	37	29	28	37	49	64	65	83		40		
									21	62	59	51	37	15	5	1							41		
									12	34	59	41	35	16	2								42		
32	2	1	1		36	1	1	2	2	1	3	5	1	6	11	11	8	15	20	31	63		43		
5		2	2	1	10	2	4		1	2				3	1	3							44		
432	1	4	2	3	442	1	2										2	4	3	4	1		45		
2223					2,223																		46		
395					395																		47		
						1	1	15	40	36	34	33	43	45	38	41	38	25	13	14	8	3	48		
74	77	56	42	33	282	102	90	178	187	173	126	132	117	107	114	92	77	78	81	60	109	16	49		
3				2	5		1	4	8	10	7	9	6	8	13	1	1	1	2	1	1		50		
99	38	8	2	1	148	7	4	5	4	7	7	8	11	13	18	20	25	32	33	13	31	6	52		

Table 21.—Continued.—Causes of death in Michigan, by months and ages,

Line number.	Causes of death, 1911.	Total deaths 1911.	Rate per 100,000 estimated population.	Months of death, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES	3,742	1,120.4	345	365	350	330	325	231	334	331	310	300	278	243
2	Typhoid	64	19.2	6	8	7	4	4	6	.....	7	9	6	5	2
3	Malarial fever	1	0.3	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
4	Small pox	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	Measles	17	5.1	1	2	1	3	4	.....	3	1	.....	1	1	.....
6	Scarlet fever	22	6.6	1	.....	5	1	6	1	3	1	1	.....	1	2
7	Whooping cough	72	21.6	7	8	10	6	9	6	7	6	4	3	3	3
8	Diphtheria and croup	91	27.2	7	6	9	7	7	3	8	7	8	16	8	5
9	Influenza	27	8.1	2	9	4	8	2	.....	.....	.....	.....	1	1	1
10	Dysentery	12	3.6	1	.....	.....	.....	.....	.....	.....	3	5	1	1	1
11	Erysipelas	16	4.8	1	4	.....	7	.....	1	1	.....	1	1	.....	.....
12	Other epidemic diseases	3	0.9	.....	.....	.....	.....	1	.....	1	.....	1	.....	.....	.....
13	Tuberculosis of lungs	261	78.1	27	21	21	23	19	18	20	22	23	24	17	26
14	Other forms of tuberculosis	64	19.2	5	6	7	8	4	5	4	5	3	5	6	6
15	Cancer	160	47.9	16	11	18	10	14	12	14	11	12	10	12	20
16	Rheumatism	11	3.3	1	3	.....	3	1	1	.....	.....	.....	.....	1	1
17	Diabetes	26	7.8	3	.....	2	2	1	2	2	1	3	2	6	2
18	Other general diseases	108	33.3	10	13	8	11	11	8	11	6	11	8	8	3
19	Meningitis	53	15.9	7	6	6	7	3	2	7	3	1	7	1	3
20	Apoplexy	127	38.0	16	11	9	17	14	9	11	7	8	10	9	6
21	Paralysis	48	14.4	4	5	3	4	4	4	1	8	8	2	1	4
22	Convulsions	84	25.2	11	12	12	9	8	2	10	2	7	5	5	1
23	Other diseases of nerves	48	14.4	5	5	4	6	2	6	5	4	2	3	2	4
24	Heart disease	257	77.0	23	16	24	24	22	15	19	21	28	23	23	19
25	Other diseases of circulatory system	91	27.2	7	10	8	6	4	10	7	8	5	11	11	4
26	Bronchitis	101	30.2	19	22	15	12	3	1	1	2	5	7	7	7
27	Bronchopneumonia	76	22.8	10	15	10	8	6	7	3	3	4	4	6	.....
28	Pneumonia	192	57.5	28	36	29	21	22	8	7	7	6	7	9	12
29	Other diseases of respiratory system	56	16.8	10	7	5	10	5	4	4	2	4	2	2	1
30	Diseases of the stomach	53	15.9	6	5	5	2	4	3	7	2	6	5	4	5
31	Diarrhea and enteritis (under 2 years)	273	81.7	17	12	13	15	18	15	36	67	43	22	8	7
32	Diarrhea and enteritis (over 2 years)	41	12.3	4	2	2	2	5	4	3	6	5	3	3	2
33	Hernia and obstruction of bowels	29	8.7	1	3	2	1	4	2	5	1	.....	4	3	3
34	Cirrhosis of liver	26	7.8	4	1	2	2	3	1	3	1	1	2	4	2
35	Other diseases of liver	16	4.8	.....	1	2	2	2	1	2	.....	.....	3	2	1
36	Peritonitis	35	10.5	3	2	3	1	3	2	4	6	1	3	6	1
37	Appendicitis	26	7.8	2	1	6	1	3	3	4	2	2	.....	.....	2
38	Other diseases of digestive system	9	2.7	3	.....	.....	2	.....	.....	1	.....	1	1	1	.....
39	Bright's disease	110	32.9	11	10	13	7	14	3	7	6	4	9	11	15
40	Other diseases of genito-urinary system	42	12.6	4	3	2	7	2	4	3	3	4	4	4	2
41	Puerperal septicoemia	35	10.5	1	1	4	6	3	.....	3	4	1	1	4	7
42	Other puerperal diseases	17	5.1	2	3	2	1	2	1	1	.....	2	.....	2	1
43	Diseases of the skin	15	4.5	3	3	.....	.....	3	1	.....	1	.....	1	3	.....
44	Diseases locomotor system	6	1.8	.....	1	1	.....	1	1	1	.....	1	.....	.....	.....
45	Malformations	49	14.7	2	8	5	2	2	4	4	3	3	6	5	5
46	Premature birth	286	85.6	22	22	28	22	20	17	30	22	32	28	17	26
47	Congenital debility	53	15.9	3	5	5	4	3	5	7	1	6	8	4	2
48	Old age	56	16.8	3	3	8	6	8	.....	3	8	3	4	5	5
49	Suicide	26	7.8	2	.....	2	1	1	4	4	6	1	3	2	.....
50	Accidents	364	109.0	18	35	23	20	41	27	50	42	25	26	36	21
51	Homicides	16	4.8	2	1	3	1	1	2	2	2	1
52	Causes ill-defined	71	21.3	6	6	4	6	6	1	6	11	8	7	7	3

CAUSES OF DEATHS.

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for the State and geographical sections, 1911. (Stillbirths excluded). Upper Peninsula.

Ages of decedents, 1911.																							
Ages in years under five.					Ages in five-year periods.																		
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.	Line number.
1067	169	84	47	38	1,405	120	67	122	169	188	157	177	136	162	167	163	148	142	160	110	144	5	1
1	1			3	5	4	5	9	11	4	8	1	4	3	3	4	2		1				2
														1									3
4	7	3	1		15	2																	4
2	3	4	4	2	15	5			1														5
45	17	6	1	1	70	1							1										6
2	5	11	9	11	38	34	10	3	2	1	1		2										7
3	3				6	1		2	1			1	1	2	2		1	1	4	2	3		8
7	1	1	1		10														1				9
8					8					1				1		1	1		3		1		10
							1													1	1		11
																							12
5	3	3		1	12	1	4	31	34	42	34	31	16	16	16	7	8	6	2	1			13
5	8	3	3	1	20	8	5	5	4	4	2	6	5	1	1		2	1					14
1					1	2		1	2	5	2	8	10	14	26	19	22	16	18	9	5		15
																							16
							1		1				1	1	1			2	1	3			17
19	5	2		2	28	2	3	3	7	5	10	5	7	11	8	6	3	3	5	1		1	18
																							19
12	8	5	6	1	32	4	3	2	1	4	1	3		2		1		2	2	1			20
4					4		2	1			5	1	7	7	10	9	10	23	21	13	14		21
						1	1	1		1	2	1	4	5	3	5	2	4	8	5	5		22
74	6	2		1	83				1														23
6	2	2			10	1		1	4	5	5	2	2	2	2	4	4	3	3				24
																							25
4		1		1	6	3	4	2	7	9	13	9	11	16	25	27	29	20	27	25	24		26
6	1	1			8	5		3	2	4	1	5	2	6	6	8	8	7	8	5	13		27
																							28
58	8	6	3		75		1		1				1		1	1	3	3	3	5	7		29
40	13	3	4		60	3				1		1	1	1	1	3		1	2	1	1		30
34	8	8	4		54	7	5	3	8	12	11	15	9	11	13	13	6	8	8	3	6		31
																							32
11	5			1	17	1		2		1	2	1	3	2	1	5	6	4	5	1	5		33
24	4				28		1	1				3	2	1	2	1	3	4	2	2	3		34
234	39				273																		35
		8	5	2	15	4	1	2	3	1	1			1			1	3	4	3	2		36
10				1	11	1			2		2	1		3	2	3	1	1		2			37
																							38
1					1				1	2	1		3	1	6	7	3	2		1	1		39
1					1	1			1	1	1		1	1	2	2	1	1		1	1		40
4		1		1	6	1	1	6	1	6	1	4		2	2	2			1	1	1		41
				1	1	6	4	4	1	2	4	1		2	1								42
																							43
1					1				1	1	1	2		1		1		1	1				44
	1				1	1	2	1	4	6	5	9	6	8	9	9	17	11	11	5	5		45
6	2			1	9				2	2	2	4	2	1	2		2	3	6	4	3		46
								1	10	8	5	10		1		1							47
									4	3	6	1	1	1									48
3					3					1	1			1			2	3		2	2		49
		2			2																		50
47		1		1	49									1	1				1				51
																							52
286					286																		53
53					53																		54
										2	5	4	4	2	2	6	1	4	4	11	37		55
11	15	9	6	6	47	16	11	33	49	52	22	37	28	23	8	9	7	7	6	3	3	3	56
35	4	2			41	2	1		1	1	2	2	4	1	2	1	6	6	1	1	2		57

Table 21.—Continued.—Causes of death in Michigan, by months and ages, for the

Line number.	Causes of death, 1911.	Total deaths 1911.	Rate per 100,000 estimated population.	Months of death, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES.....	3,984	1,208.3	331	341	415	403	343	279	329	297	358	297	289	302
2	Typhoid.....	73	22.1	2	4	9	2	3	5	7	8	13	8	9	3
3	Malarial fever.....	2	0.6							1				1	
4	Smallpox.....	1	0.3		1										
5	Measles.....	26	7.9	3	1	3	2	4	2	6	1			1	3
6	Scarlet fever.....	29	8.8	1	1	3	5		3	2	3	1	2	7	1
7	Whooping cough.....	30	9.1		6		2	3	3	3	1	4		2	6
8	Diphtheria and croup.....	29	8.8	1	1	2	4	2	4	6			3	2	4
9	Influenza.....	71	21.5	9	10	19	16	6	3	2	1	1	2	1	1
10	Dysentery.....	4	1.2							2	1	1			
11	Erysipelas.....	9	2.7			3	1			1	2				2
12	Other epidemic diseases.....	3	0.9				1					1		1	
13	Tuberculosis of lungs.....	250	75.8	16	22	28	27	25	20	23	11	26	14	22	16
14	Other forms of tuberculosis.....	52	15.8	1	4	10	5	6	2	5	7	4	3	3	3
15	Cancer.....	193	58.5	18	13	23	17	16	13	13	17	13	16	20	14
16	Rheumatism.....	19	5.8		3	3	3	4	1	1	1	2		1	
17	Diabetes.....	41	12.4	6	6	4	5	5	1	2	3	4	2	1	2
18	Other general diseases.....	104	31.5	9	6	12	8	10	6	9	11	8	12	7	6
19	Meningitis.....	42	12.7	7	3	3	5	4		2	1	2	5	8	2
20	Apoplexy.....	185	56.1	14	14	13	30	9	17	22	12	11	13	13	17
21	Paralysis.....	84	25.5	4	9	8	9	10	4	6	6	8	5	5	10
22	Convulsions.....	53	16.1	4	9	10	6	9	1	2		4	2	1	5
23	Other diseases of nerves.....	100	30.3	10	7	8	11	4	7	10	9	9	9	7	9
24	Heart disease.....	439	133.3	32	26	39	44	42	39	30	34	36	39	40	38
25	Other diseases of circulatory system.....	87	26.4	10	10	11	10	3	10	3	4	7	7	8	4
26	Bronchitis.....	84	25.5	12	11	13	7	7	6	4	3	7	3	3	8
27	Bronchopneumonia.....	52	15.8	14	6	5	9	4	2	1	1	2	1	3	4
28	Pneumonia.....	197	59.7	27	28	35	25	10	5	5	8	7	10	16	21
29	Other diseases of respiratory system.....	62	18.8	7	5	8	11	3	7	2	3	4	3	5	4
30	Diseases of the stomach.....	83	25.2	6	8	9	10	6	5	7	5	9	10	3	5
31	Diarrhea and enteritis (under 2 years).....	168	51.0	11	6	12	3	5	10	15	33	47	17	8	1
32	Diarrhea and enteritis (over 2 years).....	67	20.3	1	1	6	4	7	6	8	16	7	5	1	5
33	Hernia and obstruction of bowels.....	44	13.3	7	3	2	5	9	1	2	2	3	5	3	2
34	Cirrhosis of liver.....	24	7.3	2	2	3	1	1	1	4	2	3	3		2
35	Other diseases of liver.....	28	8.5	2	2		3	5	3	3	2	5		2	1
36	Peritonitis.....	38	11.5	3	2	1	4	7	5	1	3	4	2	3	3
37	Appendicitis.....	21	6.4		2		1	3		3	4	1	1	5	1
38	Other diseases of digestive system.....	10	3.0	2			3		2			1	1	1	
39	Bright's disease.....	191	57.9	19	20	14	24	8	9	14	19	14	16	13	21
40	Other diseases of genito-urinary system.....	53	16.1	3	3	3	4	8	4	5	6	4	6	6	1
41	Puerperal septicemia.....	30	9.1	2	2	3	3	4	1	2	3	3	1	2	4
42	Other puerperal diseases.....	34	10.3		7	2	3	4	4	4	4	1	3	1	1
43	Diseases of the skin.....	26	7.9	2	1	1	4	4	3	1	1	1	3	2	3
44	Diseases locomotor system.....	4	1.2		1		1							1	1
45	Malformations.....	51	15.5	3	8	4	5	7	3	4	3	3	6	3	2
46	Premature birth.....	227	68.8	21	23	26	16	23	17	23	12	20	15	15	16
47	Other diseases early infancy.....	53	16.1	1	5	11	1	5	7	7	2	4	4	1	5
48	Old age.....	151	45.8	16	15	20	17	12	9	8	10	9	10	9	16
49	Suicides.....	38	11.5	1	3	2	2	3	6	8	2	4	4	1	2
50	Accidents.....	233	70.7	18	15	15	18	21	22	34	16	25	15	14	20
51	Homicides.....	10	3.0			1		3		2		1	2	1	
52	Causes ill-defined.....	79	24.0	4	6	8	6	9		7	6	11	8	7	7

CAUSES OF DEATHS.

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State and geographical sections, 1911. (Stillbirths excluded). Northern Counties.

Ages of decedents, 1911.																								
Ages in years under five.					Ages in five-year periods.																			
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.	Line number.	
837	129	61	38	22	1,087	98	89	112	148	146	122	126	112	155	218	186	229	296	295	231	322	12	1	
2	...	2	1	1	6	1	3	12	10	9	7	6	1	3	10	2	2	1	...	...	...	...	2
1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	3
6	7	2	3	2	20	4	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
1	2	4	2	2	11	12	5	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	5
27	1	1	1	1	29	9	11	7	...	1	1	...	...	...	...	...	...	...	...	...	...	...	6
3	2	1	1	2	9	11	7	...	...	1	1	3	2	2	2	4	6	9	3	11	15	...	7
6	1	...	...	...	7	1	2	2	1	...	1	...	...	...	...	...	...	...	...	...	...	...	8
3	2	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
1	...	...	1	...	2	...	...	...	...	...	...	...	...	...	1	2	1	1	1	...	...	...	10
4	1	...	...	2	7	3	6	26	40	46	25	20	14	13	18	11	7	6	4	1	2	1	13
1	...	1	2	...	4	4	1	6	6	6	3	4	2	4	2	5	2	...	2	1	...	...	14
2	...	...	...	...	2	...	...	1	2	4	6	5	7	18	29	16	26	30	20	15	12	...	15
1	...	...	...	...	1	2	2	4	1	1	1	1	1	1	1	1	...	3	3	1	...	...	16
19	2	3	2	1	27	1	2	2	6	7	7	4	5	2	5	12	6	9	2	3	1	3	18	
14	6	4	...	...	24	7	2	1	1	1	1	1	1	1	2	1	...	3	3	1	...	...	19
2	...	1	...	...	1	1	...	1	...	2	1	3	3	10	22	14	29	29	27	14	28	...	20
48	3	1	...	...	2	...	1	...	...	...	1	4	5	1	4	7	8	11	7	12	20	1	21
6	1	1	3	...	11	3	2	6	3	6	6	4	6	3	3	11	5	8	14	6	3	...	22	
5	1	...	1	1	8	1	8	3	6	6	7	13	15	21	29	30	44	79	79	47	41	2	24	
4	1	...	...	...	5	1	2	...	3	2	1	...	3	4	5	6	3	15	15	11	11	...	25
34	6	8	1	1	50	2	...	1	...	...	2	...	2	1	1	...	1	5	4	3	12	...	26
34	5	2	1	...	42	...	1	...	...	...	...	2	...	...	...	2	1	...	2	2	...	...	27
48	15	3	3	1	70	5	3	...	7	4	5	1	7	12	8	10	15	11	23	9	7	...	28	
11	1	1	1	...	14	...	2	...	3	1	1	1	2	2	4	4	8	5	5	8	3	...	29	
35	7	...	...	1	43	1	2	1	...	2	3	1	2	5	3	...	3	2	7	4	4	...	30
121	47	...	...	...	168	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31
...	...	17	5	2	24	6	1	1	1	3	2	1	1	2	2	1	4	2	2	5	9	...	32	
7	...	1	2	...	10	1	1	...	1	3	1	...	...	4	5	2	5	5	5	...	1	...	33
1	...	1	1	...	1	...	...	...	2	1	2	1	2	2	2	3	2	3	3	3	2	...	34
3	...	...	...	...	3	2	4	4	9	2	2	2	2	2	3	4	...	1	3	3	...	...	35
1	...	...	...	...	1	4	5	1	4	1	...	1	...	1	2	1	...	...	...	...	...	...	36
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	37
1	...	1	...	...	2	2	...	...	...	...	...	...	...	1	1	1	2	...	...	1	...	...	38
2	1	...	...	...	3	1	4	3	...	6	7	4	5	11	19	12	24	28	24	19	21	...	39
5	1	...	1	1	8	3	1	...	2	1	3	4	4	2	2	2	1	5	2	3	10	...	40	
...	...	...	...	...	...	...	...	3	7	8	5	5	2	...	...	...	...	...	...	...	...	...	41
6	...	...	...	...	6	...	1	...	6	8	6	5	5	3	1	...	...	2	1	3	9	...	42
49	...	...	...	...	49	1	1	...	1	...	...	...	...	...	...	2	1	...	...	...	...	...	43
227	...	...	...	...	227	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	44
53	...	...	...	...	53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45
13	13	7	4	3	40	17	12	24	18	4	4	3	4	2	7	4	1	5	11	16	32	92	46	
30	3	1	...	1	35	1	1	1	2	...	1	1	...	2	1	1	4	4	6	1	8	1	51	

Table 21.—Continued.—Causes of death in Michigan, by months and ages, for the

Line number.	Causes of death, 1911.	Total deaths 1911.	Rate per 100,000 estimated population.	Months of death, 1911.											
				Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES.....	5,551	1,213.0	512	529	613	483	487	397	442	480	394	391	405	418
2	Typhoid.....	88	19.2	8	8	10	6	7	3	10	4	5	10	7	10
3	Malarial fever.....	4	0.9				1	1				1			1
4	Smallpox.....	1	0.2		1			1							
5	Measles.....	13	2.8	3		2		2	4		1				
6	Scarlet fever.....	35	7.6	1	3	4	7	4	3						
7	Whooping cough.....	40	8.7	1	2	9	10	6	1	2	3		1	4	3
8	Diphtheria and croup.....	57	12.5	2	4	4	6	3	2	1	6	4	8	9	8
9	Influenza.....	115	25.1	22	29	39	13	6	1					2	3
10	Dysentery.....	15	3.3	1	1			1		1	4	4	2		1
11	Erysipelas.....	25	5.5	4	3	5	4	3	1	1	1	1		3	
12	Other epidemic diseases.....	6	1.3			1	1				2	1	1		
13	Tuberculosis of lungs.....	312	68.2	25	22	42	29	39	27	28	27	16	15	18	24
14	Other forms of tuberculosis.....	56	12.2	6	7	6	4	4	7	6	3	2	6	3	2
15	Cancer.....	370	80.9	34	28	38	19	31	34	30	26	29	34	31	36
16	Rheumatism.....	23	5.0	1	1	3	2	1	2	5	2	1	2		3
17	Diabetes.....	49	10.7	4	4	7	4	5	1	3	5	2	8	3	3
18	Other general diseases.....	139	30.4	8	14	13	9	13	12	13	17	11	11	11	7
19	Meningitis.....	72	15.7	4	11	8	6	8	5	9	10	2	3	6	
20	Apoplexy.....	307	67.1	29	28	35	29	21	31	16	21	10	19	25	34
21	Paralysis.....	113	24.7	8	12	11	9	8	17	10	8	8	6	7	9
22	Convulsions.....	51	11.1	7	2	5	2	6	3	6	5	2	7	3	3
23	Other diseases of nerves.....	127	27.8	16	13	7	14	13	11	15	9	6	5	16	2
24	Heart disease.....	612	133.7	60	51	61	58	50	43	46	43	45	48	49	53
25	Other diseases of circulatory system.....	185	40.4	15	15	17	20	15	19	14	13	15	13	13	16
26	Bronchitis.....	97	21.2	17	11	16	9	10	5	2	3	4	8	7	5
27	Bronchopneumonia.....	87	19.0	14	24	18	9	4	2	2	5	2	3	2	2
28	Pneumonia.....	305	66.6	53	55	57	34	17	11	4	16	5	9	19	25
29	Other diseases of respiratory system.....	70	15.3	8	7	11	7	7	4	7	5	5	3	4	2
30	Diseases of the stomach.....	129	28.2	12	13	9	6	8	10	15	13	11	13	6	13
31	Diarrhea and enteritis (under 2 years).....	185	40.4	5	6	3	7	14	5	17	39	44	30	8	7
32	Diarrhea and enteritis (over 2 years).....	61	13.3		1	2	4	3	3	8	20	9	6	4	1
33	Hernia and obstruction of bowels.....	63	13.8	3	4	3	7	3	9	4	8	5	10	1	6
34	Cirrhosis of liver.....	34	7.4	3	2	3	2	3			5	1	4	5	6
35	Other diseases of liver.....	47	10.3	2	5	4	4	4	4	5	7	2	3	4	3
36	Peritonitis.....	61	13.3	1	5	8	10	6	6	5	4	3	5		
37	Appendicitis.....	44	9.6		4	2	3	1	3	7	6	3	3	2	5
38	Other diseases of digestive system.....	10	2.2		1		1	3	1			2		2	
39	Bright's disease.....	240	52.4	17	17	25	20	27	16	23	22	16	10	26	21
40	Other diseases of genito-urinary system.....	92	20.1	8	8	8	8	14	7	6	6	7	4	7	9
41	Puerperal septicemia.....	34	7.4	1	4	3	2	5	1	3	3	2	3	2	5
42	Other puerperal diseases.....	31	6.8	2	2	1	1	1	3	5	3	4	3	3	3
43	Diseases of the skin.....	37	8.1	7	1	1		3	3	4	5	5	4	1	3
44	Diseases locomotor system.....	4	0.9		1			1				1			1
45	Malformations.....	69	15.1	4	9	10	7	5	9	3	3	3	2	7	7
46	Premature birth.....	325	71.0	26	31	31	33	27	21	30	27	31	28	23	17
47	Other diseases early infancy.....	74	16.2	10	7	4	5	2	6	8	9	5	7	8	3
48	Old age.....	242	52.9	29	22	35	21	29	17	20	13	12	9	15	20
49	Suicides.....	50	10.9		6	4	6	5	7	5	5	2	4	2	4
50	Accidents.....	285	62.3	18	15	21	22	30	15	36	34	29	20	26	19
51	Homicides.....	7	1.5	1	2	1					2				1
52	Causes ill-defined.....	53	11.6	3	7	6	3	4	2	5	7	5	3	3	5

CAUSES OF DEATHS.

37

State and geographical sections, 1911. (Stillbirths excluded). Central Counties.

Ages of decedents, 1911.																										
Ages in years under five.					Ages in five-year periods.																					
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.	Line number.			
1007	136	78	52	35	1,308	116	101	145	175	177	176	166	176	205	264	268	337	437	456	436	602	6	1			
1		3	1	1	6	6	7	10	16	6	11	3	2	7	4	5	4				1			2	3	
2	4	1			7	2	1		1				1				1						3	4	5	
3	5	7	5	4	24	6	2		1				1										4	5	6	
31	5	2			38	2	7		1				1									1		5	6	
1	1	8	9	6	25	21	1	4																6	7	
7	2	2	1	1	13	1	5	3	4	1	1	5	3	3	6	6	5	10	15	13	21			7	8	
3	1	1			5								1											8	9	
9	1				10	1					1				3	1	1	4	2	2	2			9	10	
1					1	1				1									1	1	1			10	11	
3	2	3	2		8	4	11	32	43	52	6	39	29	14	16	13	11	20	6	7	2	4	1	13	12	
2	3	2	2		9	5	3	2	5	6	4	3	3	3	2	5	2	1	1	1	1			14	13	
2				1	3	2	1		3	3	5	8	22	31	41	49	50	57	47	27	21			15	14	
								1	1				1		2	4	1	2	1	4	2			16	15	
13	4	1		1	2	2	5	1	1				2	1	5	4	6	4	6	2	1			17	16	
				2	21	5	3	4	4	8	6	14	11	14	8	6	5	13	8	3	4			18	17	
22	8	4	7	2	43	8	3	4	3	1		2		1		4		1	1		1			19	18	
3					3	1	2			2	5	4	4	12	24	21	34	48	56	49	41	1		20	19	
42	2	2		1	47	1		1	1				1		8	8	13	19	9	18	30			21	20	
4	2	5	2	1	14	5	3	4	1	4	7	4	6	15	10	8	7	13	9	10	7			22	21	
11				1	12	1	8	6	5	10	8	16	19	20	37	40	54	101	97	95	83			23	22	
3	1	1			5	4	2	4	3	2	4	7	9	7	9	10	19	21	25	18	36			24	23	
27	4	1	4	1	37		1	1	1	1		1	2			2	2	10	7	15	17			25	24	
31	13	3			51						1	1	1	2	1	2	3	5	8	7	7			26	25	
71	16	4	1	2	94	8	4	10	6	11	9	11	8	15	11	18	21	19	24	20	16			27	26	
7	1	2	2	1	13		3		1	2			1	6	2	3	7	6	13	5	8			28	27	
43	3	1	2		49	1		2	1	2	4		7	6	5	6	6	6	12	8	14			29	28	
149	36				185																			30	29	
		13	8	2	23	1		1	1	1		2	2		4	2	2	4	2	7	9			31	30	
12	1				13		2	2	3	3	1	1	4	2	3	5	5	7	6	2	4			32	31	
1								1			1	1	2	2	1	4	5	5	6	4	2			33	32	
5	1		2		8	2	3	2	8	8	4	7	4	3	2	2	7	6	2	6	5			34	33	
					4	7	7	10	4	4	4	3	3	1	1			3	1	2	2			35	34	
2	1				3	3	2	3	6	5	5	8	13	13	27	20	21	2	2	31	31			36	35	
1		1			2	2	1	2	2	3	6	4	3	4	3	1	8	9	12	16	14			37	36	
								5	7	4	10	4	3	1										41	38	
								1	7	11	8	2	2											42	39	
3	1				4	1			1				1		1	2		3	2	4	6	12		43	40	
															1			1	1					44	41	
68	1				69																			45	42	
325					325																			46	43	
74					74																			47	44	
								3	1	2	4	2	3	6	3	6	6	6	23	37	176			48	45	
13	11	9	6	4	43	14	15	26	25	17	16	16	12	8	12	12	12	11	12	11	20	3		49	46	
1					1			1	2	2	1	1												50	47	
11	6				17					1	2	1	1		5	1	4	8	5	2	6			51	48	

Table 21.—Concluded.—Causes of death in Michigan, by months and ages, for the

Line number.	Causes of death, 1911.	Total deaths 1911.	Rate per 100,000 estimated population.	Months of death, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	ALL CAUSES.....	24,730	1,424.9	2,342	2,209	2,494	2,328	2,091	1,754	2,096	1,871	1,884	1,827	1,864	1,970
2	Typhoid.....	326	18.8	21	23	26	32	22	20	29	35	28	38	27	25
3	Malarial fever.....	7	0.4	1	1	1	1	3	2	1	1	1	1	1	1
4	Smallpox.....	5	0.3	2	2	1	1	1	1	1	1	1	1	1	1
5	Measles.....	144	8.3	13	16	28	24	17	14	14	2	3	2	5	6
6	Scarlet fever.....	122	7.0	15	14	11	14	19	6	6	6	8	9	11	3
7	Whooping cough.....	112	6.5	7	5	18	14	8	11	13	6	8	10	6	6
8	Diphtheria and croup.....	296	17.1	40	18	17	24	15	13	12	10	28	40	49	30
9	Influenza.....	390	22.5	66	91	92	66	27	5	2	4	3	9	10	15
10	Dysentery.....	56	3.2	2	3	4	2	2	5	4	12	11	6	3	2
11	Erysipelas.....	91	5.2	11	9	18	16	11	3	1	1	3	5	7	6
12	Other epidemic diseases.....	9	0.5	1	1	1	1	2	1	1	2	1	1	1	1
13	Tuberculosis of lungs.....	1,461	84.2	136	130	167	158	135	134	107	88	96	94	108	108
14	Other forms of tuberculosis.....	310	17.9	36	18	38	33	27	20	28	17	25	20	27	21
15	Cancer.....	1,419	81.8	126	100	128	115	130	112	118	113	109	126	125	117
16	Rheumatism.....	99	5.7	9	10	14	10	10	13	8	4	5	4	7	5
17	Diabetes.....	257	14.8	31	22	21	24	18	8	29	24	13	24	21	22
18	Other general diseases.....	692	39.9	61	55	66	66	81	38	62	54	63	63	43	40
19	Meningitis.....	320	18.4	14	33	44	42	29	23	25	21	26	25	23	15
20	Apoplexy.....	1,461	84.2	146	125	133	149	123	105	112	98	105	111	136	118
21	Paralysis.....	538	31.0	55	42	47	51	32	46	60	40	32	37	38	58
22	Convulsions.....	203	11.7	22	14	31	20	15	15	11	7	13	16	20	19
23	Other diseases of nerves.....	562	32.4	59	58	43	50	48	37	64	37	32	39	50	45
24	Heart disease.....	2,843	163.8	268	253	263	241	284	211	220	211	197	182	250	263
25	Other diseases of circulatory system.....	834	48.1	75	78	76	84	65	80	71	60	59	73	45	68
26	Bronchitis.....	434	25.0	66	56	60	42	34	12	18	11	19	27	46	43
27	Bronchopneumonia.....	590	34.0	85	99	91	68	53	18	14	19	14	36	40	53
28	Pneumonia.....	1,264	72.8	185	222	193	165	94	38	20	28	38	60	92	129
29	Other diseases of respiratory system.....	365	21.0	37	32	37	37	29	24	28	28	19	19	32	43
30	Diseases of the stomach.....	505	29.1	40	41	48	39	35	31	50	47	61	41	39	33
31	Diarrhea and enteritis (under 2 years).....	972	56.0	30	32	32	31	57	49	178	223	188	94	35	23
32	Diarrhea and enteritis (over 2 years).....	256	14.7	16	18	11	12	14	14	29	41	40	30	16	15
33	Hernia and obstruction of bowels.....	232	13.4	25	22	33	12	15	17	20	13	19	14	23	19
34	Cirrhosis of liver.....	194	11.2	11	16	21	19	13	12	22	16	18	14	9	23
35	Other diseases of liver.....	206	11.9	13	11	20	24	21	14	18	22	11	15	19	18
36	Peritonitis.....	202	11.6	16	17	21	17	21	20	18	15	16	12	15	14
37	Appendicitis.....	167	9.6	12	13	10	15	22	16	17	15	15	14	6	12
38	Other diseases of digestive system.....	72	4.1	10	7	11	5	6	3	4	8	6	3	2	7
39	Bright's disease.....	1,204	69.4	124	78	126	138	99	87	90	79	108	89	95	91
40	Other diseases of genito-urinary system.....	428	24.7	31	26	48	37	36	27	37	34	38	43	34	37
41	Puerperal septicemia.....	152	8.8	13	22	18	14	21	9	10	4	11	6	10	14
42	Other puerperal diseases.....	118	6.8	8	15	11	11	10	11	8	11	8	5	10	10
43	Diseases of the skin.....	139	8.0	14	10	15	15	11	10	18	7	7	10	6	16
44	Diseases locomotor system.....	26	1.5	1	4	3	3	2	2	2	1	2	4	2	2
45	Malformations.....	276	15.9	25	23	25	17	18	24	21	23	25	18	24	33
46	Premature birth.....	1,385	79.8	102	104	95	121	100	123	144	141	146	112	94	103
47	Other diseases early infancy.....	215	12.4	31	16	23	20	20	17	20	14	13	12	18	15
48	Old age.....	994	57.3	103	95	114	100	83	67	77	54	59	75	74	93
49	Suicides.....	313	18.0	27	25	33	30	28	29	30	29	20	23	16	23
50	Accidents.....	1,240	71.4	87	63	89	78	109	144	184	122	100	101	74	89
51	Homicides.....	35	2.0	2	1	3	2	3	3	7	3	2	5	6	1
52	Causes ill-defined.....	189	10.9	14	20	18	22	14	14	14	14	14	12	15	18

CAUSES OF DEATHS.

39

State and geographical sections, 1911. (Stillbirths excluded). Southern Counties.

Ages of decedents, 1911.																								
Ages in years under five.					Ages in five-year periods.																			
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 and over.	Unknown.	Line number.	
4220	674	298	202	163	5,557	500	364	523	846	880	811	817	848	997	1169	1282	1547	1814	2127	1975	2652	21	1	
2	3	4	1	8	18	16	21	32	56	37	36	23	14	13	24	8	10	9	5	3	1		2	
										1			1		2	2	1						3	
37	40	14	9	5	105	16	10	2	2	3	2	2	2	1	1		1						4	
7	13	17	23	11	71	28	10	4	2	1	2	2	1	1		1				1			5	
74	18	9	6	2	109	1			1							1							6	
5	35	39	35	28	142	106	26	6	7	5	1	1	1	1	1	1							7	
22	5	2	1		30	1	4	5	4	8	7	4	8	10	9	17	17	26	64	74	101	1	8	
3	4	3		1	11	1			1	1	1	1	1	3	1	2	1	4	9	7	13		9	
18					18		1	1	1	2	5	8	3	4	7	6	4	6	12	3	10		10	
5					5									1				1					11	
																							12	
10	3	5	3	4	25	6	17	133	255	222	192	139	109	88	82	51	52	34	36	16	6		13	
21	17	8	5	4	55	19	16	19	20	29	27	20	17	15	14	17	16	11	8	5	2		14	
2	2	1	2	1	8	3	3	2	5	9	25	28	70	121	152	159	207	193	181	148	105		15	
			1		1	11	7	4	2	2	5	6	1	4	8	1	6	8	8	11	14		16	
2	2	3			7	2	15	9	13	9	8	15	9	13	19	34	21	29	28	18	8		17	
92	13	4	4	7	120	16	16	14	29	36	28	50	33	57	53	50	45	53	40	28	23	1	18	
99	43	15	9	10	176	29	21	12	9	6	9	14	8	9	9	6	3	3	2	4			19	
18	2	1			21	2	1	5	7	8	17	18	41	45	86	109	163	225	245	215	252	1	20	
1			1		2				3	3	6	10	15	21	28	29	50	62	93	92	123	1	21	
172	13	3	5	1	194	4		1	1					1			1		1				22	
19	9	4	6	1	39	9	15	12	17	26	32	27	33	43	40	50	44	58	48	33	35	1	23	
46	3	3		1	53	20	27	22	36	51	51	56	88	121	160	227	329	382	441	362	415	2	24	
13	1	3	1	2	20	12	11	13	14	22	10	24	25	31	40	48	58	113	127	126	140		25	
110	25	15	5	3	158	2			3	2	2	7	4	6	9	13	13	24	36	51	104		26	
230	85	28	14	8	365	17	8	8	4	4	5	7	2	8	7	13	18	29	21	28	46		27	
175	67	15	7	12	276	28	16	29	45	44	41	51	46	71	77	71	89	85	99	99	97		28	
38	8	7	5	4	62	8	4	3	10	16	13	20	13	12	22	18	22	29	26	35	52		29	
153	19	10	5	5	192	12	6	6	4	14	9	14	11	25	17	27	20	24	35	44	45		30	
805	167				972																		31	
		30	10	9	49	19	4		4	4	7	7	13	7	10	15	11	19	22	31	34		32	
26	3	4	3	1	37	6	2	2	6	7	7	8	18	5	14	16	22	16	18	31	17		33	
1					1	1		1	1	1	4	7	10	20	16	21	30	21	24	23	13		34	
7	1	1	1	1	11	1	2	1	9	12	8	10	12	11	13	8	17	24	29	19	19		35	
9	1	3	1	3	17	6	12	11	24	21	24	16	9	16	8	9	9	4	8	4	4		36	
1			2	1	4	19	22	20	21	22	9	14	9	6	5	1	8	3	4				37	
13		1	2	1	17	3			4	5	4	5	4	5	2	2	3	1	6	4	7		38	
11	2	2		2	17	10	5	13	17	21	30	41	49	64	89	119	135	140	181	140	133		39	
18	6	4	2	3	33	5	6	2	18	14	23	20	30	30	22	25	26	32	44	42	56		40	
									12	38	39	31	18	10	4								41	
									5	15	39	22	27	10									42	
20	1	1	1		23			2	1		1	4	1	4	7	10	3	8	15	20	40		43	
5			2	1	8		1						2		3		1	3	2	3	1		44	
268		3	2	2	275		1			2													45	
1385					1,385																		46	
215					215																		47	
									11	35	28	22	23	34	30	29	28	26	41	119	199	635		48
37	38	31	26	20	152	56	52	95	95	94	79	61	71	64	78	58	50	56	57	37	79	3	49	
2			1		3		1	5	5	3	5	3	5	3	3	2	1	1	1	1	1		50	
23	25	5	2		55	5	2	4	2	5	3	3	7	7	4	9	16	19	20	10	14		51	
																							52	

DISCUSSION OF INDIVIDUAL CAUSES OF DEATH, 1911.

The following text is devoted to the discussion of the most important individual diseases and groups of diseases according to the condensed list shown in Table 21, by months and ages, for the State and geographical sections into which it is divided. For convenience, a summary derived from these tables will be presented in connection with each cause.

DEATHS FROM ALL CAUSES.

The total number of deaths registered from all causes during the year 1911 was 38,007, corresponding to a mortality of 1,330.4 per 100,000 estimated population. This number is exclusive of 2,716 stillbirths returned as deaths. Compared with the years immediately preceding, we have:

Years.	Total deaths registered.	Death rates per 100,000 population.
1902.....	31,472	1,271.3
1903.....	33,176	1,325.6
1904.....	34,494	1,364.4
1905.....	34,679	1,356.1
1906.....	37,033	1,432.8
1907.....	36,701	1,405.2
1908.....	36,761	1,393.0
1909.....	36,313	1,361.9
1910.....	39,913	1,420.3
1911.....	38,007	1,330.4

The rates more conveniently expressed as rates per 1,000 population would be 12.7, 13.3, 13.6, 13.6, 14.3, 14.1, 13.9, 13.6, 14.2 and 13.3.

Geographical sections.	Total deaths, 1911.	Death rates per 100,000 population.
STATE OF MICHIGAN.....	38,007	1,330.4
Upper Peninsula.....	3,742	1,120.4
Northern counties.....	3,984	1,208.3
Central counties.....	5,551	1,213.0
Southern counties.....	24,730	1,424.9

Of the total number of deaths for the State, over 65 per cent of them occurred in the southern counties. This might be expected, as the southern counties comprise the oldest portion of the State, with an age

distribution of population less favorable than the newly settled portions of the State.

TYPHOID FEVER.

There were 551 deaths from typhoid fever in Michigan during the year 1911, corresponding to an annual death rate of 19.3 per 100,000 estimated population. The distribution of these deaths is given for the State and geographical sections in Table 22, which also contains a statement of the age and sex distribution. For the State as a whole, the month of October, as usual, had the most deaths, and the month of June the fewest. The largest number of deaths occurred between the ages of 20 and 29 years. By sex, there were 332 deaths of males and 219 deaths of females.

Table 22.—Deaths from typhoid fever in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 popula- tion.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	551	19.3	37	43	52	44	36	34	16	54	55	62	48	40
I. Upper Peninsula....	64	19.2	6	8	7	4	4	6	.....	7	9	6	5	2
II. Northern counties...	73	22.1	2	4	9	2	3	5	7	8	13	8	9	3
III. Central counties....	88	19.2	8	8	10	6	7	3	10	4	5	10	7	10
IV. Southern counties...	326	18.8	21	23	26	32	22	20	29	35	28	38	27	25
Deaths by sex, 1911.		Deaths by ages, 1911.												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.	
332	219	6	35	27	62	99	149	95	47	60	28	10	1	

SMALLPOX.

The distribution of deaths from smallpox is shown in Table 23. Although a small numerical importance as a cause of death, the remembrance of its fatality in the past still clings around this disease, and no epidemic cause attracts so much public attention and is considered worthy of so much effort and expense for the sake of immediate restriction as smallpox among all of the causes ordinarily prevalent in this State. There were 7 deaths during the year 1911. The character of the disease during its present appearance is one of extreme mildness, compared to what is usually the case, and the result is the more ready spread since public opinion will not always support thorough enforcement of the only effective restrictive measure, i.e., general vaccination and re-vaccination until immunity is secured.

VITAL STATISTICS OF MICHIGAN, 1911.

Table 23.—Deaths from smallpox in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 popula- tion.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	7	0.2	2	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
I. Upper Peninsula....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
II. Northern counties...	1	0.3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
III. Central counties....	1	0.2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
IV. Southern counties...	5	0.3	2	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Deaths by sex, 1911.			Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.	
6	1	.....	.....	.....	.....	.....	1	2	1	.....	1	.....	.....

Table 24.—Deaths from measles in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	200	7.0	20	19	34	30	27	20	24	4	3	3	7	9
I. Upper Peninsula....	17	5.1	1	2	1	3	4	.....	3	1	.....	1	1	.....
II. Northern counties...	26	7.9	3	1	3	2	4	2	6	1	.....	.....	1	3
III. Central counties....	13	2.8	3	.....	2	1	2	4	1	.....	.....	.....	.....	.....
IV. Southern counties...	144	8.3	13	16	28	24	17	14	14	2	3	2	5	6
Deaths by sex, 1911.		Deaths by ages, 1911.												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.	
112	88	49	147	24	171	15	6	4	1	1	1	1	.....

MEASLES.

Measles caused 200 deaths in Michigan during the year 1911, corresponding to an annual death rate of 7.0 per 100,000 estimated population. The distribution of these deaths by months is given for the State and geographical sections in Table 24, which also contains a statement of the sex and age distribution.

By geographical sections, the highest rate of mortality from this cause occurred in the southern counties (8.3), and the lowest in the central counties. For the State as a whole, the month of March had the most deaths and the months of September and October (3), the fewest.

SCARLET FEVER.

There were 208 deaths from scarlet fever during the year 1911. The distribution of these deaths by months and geographical sections is given in Table 25, which also contains a statement of the sex and age distribution. By geographical sections the highest rate of mortality was in the Northern counties, and the lowest in the southern counties. For the State as a whole, the month of May had the most deaths and the month of December the fewest.

Table 25.—Deaths from scarlet fever in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	208	7.3	23	18	23	27	29	13	11	10	10	12	23	9
I. Upper Peninsula....	22	6.6	1	.....	5	1	6	1	3	1	1	.....	1	2
II. Northern counties..	29	8.8	1	1	3	5	.....	3	2	3	1	2	7	1
III. Central counties....	35	7.6	6	3	4	7	4	3	.....	.....	.....	1	4	3
IV. Southern counties...	122	7.0	15	14	11	14	19	6	6	6	8	9	11	3

Deaths by sex, 1911.		Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
109	99	13	121	51	172	21	6	6	1	1	1

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Table 26.—Deaths from whooping cough in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	254	8.9	15	21	37	32	26	21	25	16	18	13	13	17
I. Upper Peninsula....	72	21.6	7	8	10	6	9	6	7	6	4	3	3	3
II. Northern counties...	30	9.1	.....	6	.....	2	3	3	3	1	4	.....	2	6
III. Central counties....	40	8.7	1	2	9	10	6	1	2	3	2	.....	2	2
IV. Southern counties...	112	6.5	7	5	18	14	8	11	13	6	8	10	6	6

Deaths by sex, 1911.		Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
127	127	177	246	5	251	.....	1	1	.....	.....	1	.....	.....

DIPHTHERIA AND CROUP.

Deaths and death rates from diphtheria and croup for the past five years were as follows:

Years.	Deaths from diphtheria and croup.	Death rates per 100,000 population.
1907.....	421	16.1
1908.....	343	13.0
1909.....	395	14.9
1910.....	495	17.6
1911.....	473	16.6

WHOOPIING COUGH.

There were 254 deaths from whooping cough during the year 1911, corresponding to an annual death rate of 8.9 per 100,000 estimated population. The distribution of these deaths by months is given for the State and four geographical sections in Table 26, which also contains a statement of the sex and age distribution.

By geographical sections, the highest rate of mortality occurred in the Upper Peninsula, and the lowest in the southern counties. For the State as a whole, the month of March had the most deaths and the months of October and November the fewest. By sex, there were 127 deaths of males and 127 deaths of females.

As shown in the above comparative table the year 1911 shows a slight decrease in the number of deaths from diphtheria and croup. The distribution of these deaths for the State and geographical sections is

shown in Table 27, which also contains a statement of the sex and age distribution.

By geographical sections, the highest rate of mortality occurred in the Upper Peninsula, and the lowest in the northern counties. For the State as a whole, the month of November had the most deaths, and the month of June the fewest. By sex there were 249 deaths of males and 224 deaths of females.

Table 27.—Deaths from diphtheria and croup in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	473	16.6	50	29	32	41	27	22	27	23	40	67	68	47
I. Upper Peninsula....	91	27.2	7	6	9	7	7	3	8	7	8	16	8	5
II. Northern counties..	29	8.8	1	1	2	4	2	4	6	.....	.....	3	2	4
III. Central counties....	57	12.5	2	4	4	6	3	2	1	6	4	8	9	8
IV. Southern counties...	296	17.1	40	18	17	24	15	13	12	10	28	40	49	30

Deaths by sex, 1911.		Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
249	224	11	214	172	386	63	16	3	4	1	.....	.....	.....

INFLUENZA.

There were 603 deaths from influenza in Michigan during the year 1911, corresponding to an annual death rate of 21.1 per 100,000 estimated population. The distribution of these deaths by months is given in Table 28 for the State and geographical sections, together with a statement of the sex and age distribution.

By geographical sections, the highest rate of mortality was in the central counties, and the lowest in the Upper Peninsula. For the State as a whole, the month of March had the most deaths and the months of July and September (4), the fewest. The largest number of deaths occurred in the age period 70 to 79 years. By sex there were 299 deaths of males and 304 deaths of females.

VITAL STATISTICS OF MICHIGAN, 1911.

Table 28.—Deaths from influenza in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	603	21.1	99	139	154	103	41	9	4	5	4	11	14	20
I. Upper Peninsula.....	27	8.1	2	9	4	8	2						1	1
II. Northern counties.....	71	21.5	9	10	19	16	6	3	2	1	1	2	1	1
III. Central counties.....	115	25.1	22	29	39	13	6	1					2	3
IV. Southern counties.....	390	22.5	66	91	92	66	27	5	2	4	3	9	10	15
Deaths by sex, 1911.			Deaths by ages, 1911.*											
Males.	Females.		Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
299	304		38	56	4	60	23	19	22	31	46	75	186	140

*Includes 1 at unknown age.

PULMONARY TUBERCULOSIS.

In the following statement may be found the comparative figures compiled for pulmonary tuberculosis for the past five years. It will be noted that the numbers are fairly uniform for the past four years, but each of them considerably less than for the year 1907:

Years.	Deaths compiled from pulmonary tuberculosis.	Death rate.
1907.....	2,338	99.5
1908.....	2,249	85.2
1909.....	2,237	83.9
1910.....	2,273	80.9
1911.....	2,284	79.9

There were 2,284 deaths from tuberculosis of the lungs in Michigan during the year 1911, corresponding to an annual death rate of 79.9 per 100,000 estimated population. The distribution of these deaths by months is given for the State and four geographical sections in Table 29. The death rates from tuberculosis of the lungs in the different sections of the State, it will be noted, are fairly uniform, with the exception of the southern counties, which exceeds the State average by nearly five points. More males than females succumbed to the disease during the year and the largest number of deaths 734, occurred during the ten-year period of life from 20 to 29 years, both inclusive. The maximum

monthly number of deaths was 258 in March, while the minimum fell in October, with only 147 recorded.

Table 29.—Deaths from tuberculosis of lungs in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	2,284	79.9	204	195	258	237	218	199	178	148	161	147	165	174
I. Upper Peninsula....	261	78.1	27	21	21	23	19	18	20	22	23	24	17	26
II. Northern counties...	250	75.8	16	22	28	27	25	20	23	11	26	14	22	16
III. Central counties....	312	68.2	25	22	42	29	39	27	28	27	16	15	18	24
IV. Southern counties...	1,461	84.2	136	130	167	158	135	134	107	88	96	94	108	108
Deaths by sex, 1911.		Deaths by ages, 1911.*												
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.	
1,180	1,104	22	52	14	66	260	734	509	284	209	139	69	12	

*Includes 2 at unknown ages.

OTHER FORMS OF TUBERCULOSIS.

There were 482 deaths returned from tubercular diseases other than of the lungs, which corresponds to an annual death rate of 16.9 per 100,000 estimated population. The distribution of these deaths by months and the four geographical sections is given in Table 30, which also contains a statement of the sex and age distribution.

By geographical sections, the highest rate of mortality occurred in the Upper Peninsula, and the lowest in the central counties. For the State as a whole, the month of March had the most deaths and the month of August the fewest. By sex, there were 244 deaths of males and 238 deaths of females. The largest number of deaths occurred in the age group 20 to 29 years.

Table 30.—Deaths from other forms of tuberculosis in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	482	16.9	48	35	61	50	41	34	40	30	37	35	39	32
I. Upper Peninsula....	64	19.2	5	6	7	8	4	5	4	5	3	5	6	6
II. Northern counties..	52	15.8	1	4	10	5	6	2	2	5	7	4	3	3
III. Central counties....	56	12.2	6	7	6	4	4	7	6	3	2	6	3	2
IV. Southern counties...	310	17.9	36	18	38	33	27	20	28	17	25	20	27	21
Deaths by sex, 1911.			Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.	
244	238	29	88	36	124	57	80	69	50	46	35	18	3	

CANCER.

There were 2,142 deaths from cancer in Michigan during the year 1911, corresponding to an annual death rate of 75.0 per 100,000 estimated population. The distribution of these deaths by months and for the four geographical sections is given in Table 31, which also contains a statement of the sex and age distribution.

By geographical sections, the highest rate of mortality occurred in the southern counties, and the lowest in the Upper Peninsula. For the State as a whole, the month of March had the most deaths, and the month of February the fewest. The largest number of deaths occurred in the age period 60 to 69 years. By sex, there were 939 deaths of males and 1,203 deaths of females.

Table 31.—Deaths from cancer in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	2,142	75.0	194	152	207	161	191	171	175	167	163	186	188	187
I. Upper Peninsula....	160	47.9	16	11	18	10	14	12	14	11	12	10	12	20
II. Northern counties..	193	58.5	18	13	23	17	16	13	13	17	13	16	20	14
III. Central counties....	370	80.9	34	28	38	19	31	34	30	26	29	34	31	36
IV. Southern counties...	1,419	81.8	126	100	128	115	130	112	118	113	109	126	125	117
Deaths by sex, 1911.			Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.	
939	1,203	7	14	7	21	8	33	87	293	491	601	465	146	

CAUSES OF DEATHS.

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DISEASES OF THE NERVOUS SYSTEM.

The following comparative statement shows the number of deaths and death rates per 100,000 population as compiled from diseases affecting the nervous system.

	<i>Deaths.</i>				
	1907.	1908.	1909.	1910.	1911.
Total.....	4,572	4,352	4,448	4,830	4,578
Meningitis.....	569	480	468	526	487
Apoplexy.....	1,672	1,669	1,759	2,083	2,080
Paralysis.....	926	870	921	924	783
Convulsions.....	468	454	498	444	391
Other nervous diseases.....	937	879	802	853	837
	<i>Death rates per 100,000 population.</i>				
	1907.	1908.	1909.	1910.	1911.
Totals.....	175.1	164.9	166.8	171.9	160.5
Meningitis.....	21.8	18.2	17.6	18.7	17.0
Apoplexy.....	64.0	63.2	66.0	74.1	72.8
Paralysis.....	35.5	33.0	34.5	32.9	27.4
Convulsions.....	17.9	17.2	18.7	15.8	13.7
Other nervous diseases.....	35.9	33.3	31.1	30.4	29.3

Following is a detailed statement of the most important diseases of the nervous system, showing the incidence of deaths for the State and four geographical sections, as well as the sex and age distribution.

Table 32.—Deaths from meningitis in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	487	17.0	32	53	61	60	44	30	43	35	31	40	38	20
I. Upper Peninsula....	53	15.9	7	6	6	7	3	2	7	3	1	7	1	3
II. Northern counties...	42	12.7	7	3	3	5	4	.....	2	1	2	5	8	2
III. Central counties....	72	15.7	4	11	8	6	8	5	9	10	2	3	6	.....
IV. Southern counties...	320	18.4	14	33	44	42	29	23	25	21	26	25	23	15
Deaths by sex, 1911.			Deaths by ages, 1911.											
Males.	Females.		Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
262	225		147	275	48	323	48	26	30	20	23	7	9	1

Table 33.—Deaths from apoplexy in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	2,080	72.8	205	178	190	225	167	162	161	138	143	153	183	175
I. Upper Peninsula....	127	38.0	16	11	9	17	14	9	11	7	8	10	9	6
II. Northern counties...	185	56.1	14	14	13	30	9	17	22	12	11	13	13	17
III. Central counties....	307	67.1	29	28	35	29	21	31	16	21	19	19	25	34
IV. Southern counties...	1,461	84.2	146	125	133	149	123	105*	112	98	105	111	136	118
Deaths by sex, 1911.			Deaths by ages, 1911.*											
Males.	Females.		Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
1,103	977		25	29	3	32	13	19	54	129	295	561	640	335

*Includes 2 at unknown ages.

CAUSES OF DEATHS.

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Table 34.—Deaths from paralysis in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	783	27.4	71	68	69	73	54	71	77	62	56	50	51	81
I. Upper Peninsula....	48	14.4	4	5	3	4	4	4	1	8	8	2	1	4
II. Northern counties..	84	25.5	4	9	8	9	10	4	6	6	8	5	5	10
III. Central counties....	113	24.7	8	12	11	9	8	17	10	8	8	6	7	9
IV. Southern counties...	538	31.0	55	42	47	51	32	46	60	40	32	37	38	58

Deaths by sex, 1911.		Deaths by ages, 1911.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
421	362	3	4	1	5	4	8	24	57	92	169	244	178

*Includes 2 at unknown ages.

Table 35.—Deaths from convulsions in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	391	13.7	44	37	58	37	38	21	29	14	26	30	29	28
I. Upper Peninsula....	84	25.2	11	12	12	9	8	2	10	2	7	5	5	1
II. Northern counties..	53	16.1	4	9	10	6	9	1	2	.....	4	2	1	5
III. Central counties....	51	11.1	7	2	5	2	6	3	6	5	2	7	3	3
IV. Southern counties...	203	11.7	22	14	31	20	15	15	11	7	13	16	20	19

Deaths by sex, 1911.		Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
217	174	336	376	5	381	2	4	.....	2	.....	1	1	.....

DISEASES OF THE CIRCULATORY SYSTEM.

The total number of deaths, together with death rates per 100,000 population, from the causes here compiled may be seen in the following statement, which merely attempts to distinguish two varieties of returns, namely, deaths reported from some definite form of organic heart disease and deaths from endocarditis, pericarditis, diseases of the arteries and veins, and other indefinitely reported diseases of the circulatory system, including deaths reported from "hemorrhage" with unspecified cause.

	<i>Deaths.</i>				
	1907.	1908.	1909.	1910.	1911.
Total diseases circulatory system.....	4,696	4,653	4,936	5,154	5,348
Heart disease.....	3,791	3,768	3,848	3,946	4,151
Other circulatory diseases.....	905	885	1,088	1,208	1,197
	<i>Death rates per 100,000 population.</i>				
	1907.	1908.	1909.	1910.	1911.
Total diseases circulatory system.....	179.8	176.3	183.1	183.4	187.2
Heart disease.....	145.1	142.8	152.0	140.4	145.3
Other circulatory diseases.....	34.7	33.5	40.8	43.0	41.9

This class does not include deaths from "heart failure," which are considered as too worthless, so far as nosological statistics are concerned, to be included among deaths from diseases of any specified organ. The marked and steady increase in the registered mortality from heart diseases is a feature of great interest. If deaths from "heart failure" a portion of which may be due to actual organic disease of the heart, were included, the number of deaths from this cause would be still higher, but even as it is, the number of deaths from organic heart disease in Michigan in 1911 exceeded those from any other single cause recorded.

The distribution of deaths from organic heart disease for the year 1911 may be seen in Table 36, according to which it appears that the death rate from this disease increased progressively in passing from the Upper Peninsula to the Southern counties. This might have been expected as the deaths from heart disease are chiefly those of elderly persons, and the general age distribution of the population is more favorable to a high ratio of deaths from this cause in the older and more thickly settled portions of the State.

Table 36.—Deaths from heart disease in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	4,151	145.3	383	346	387	367	398	308	315	309	306	292	362	378
I. Upper Peninsula....	257	77.0	23	16	24	24	22	15	19	21	28	23	23	19
II. Northern counties..	439	133.3	32	26	39	44	42	39	30	34	36	39	40	38
III. Central counties....	612	133.7	60	51	61	58	50	43	46	43	45	48	49	58
IV. Southern counties...	2,843	163.8	268	253	263	241	284	211	220	211	197	182	250	263

Deaths by sex, 1911.		Deaths by ages, 1911.*											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
2,308	1,843	66	79	25	104	80	130	173	311	575	1,038	1,173	563

*Includes 4 at unknown ages.

DISEASES OF THE RESPIRATORY SYSTEM.

Respiratory diseases in Michigan are considered as among the most important causes of death. The following tables show the incidence of deaths from the more important individual causes. The tables given do not include, however, the entire list of diseases chiefly affecting the respiratory organs. Pulmonary tuberculosis is a disease chiefly affecting the lungs, and many deaths registered from influenza are in their onset, course and termination, chiefly confined to the respiratory tract. Fatal cases of measles are frequently the results of pneumonia as a complication, and many deaths from organic heart, liver or kidney disease present terminal pneumonias as the closing incident of life.

Table 37.—Deaths from bronchitis in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	716	25.1	114	100	104	70	54	24	25	19	35	45	63	63
I. Upper Peninsula....	101	30.2	19	22	15	12	3	1	1	2	5	7	7	7
II. Northern counties..	84	25.5	12	11	13	7	7	6	4	3	7	3	3	8
III. Central counties....	97	21.2	17	11	16	9	10	5	2	3	4	8	7	5
IV. Southern counties..	434	25.0	66	56	60	42	34	12	18	11	19	27	46	43

Deaths by sex, 1911.		Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
358	358	229	320	4	324	4	8	12	16	27	61	124	140

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Table 38.—Deaths from bronchopneumonia in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	805	28.2	123	144	124	94	67	29	20	28	22	44	51	59
I. Upper Peninsula....	76	22.8	10	15	10	8	6	7	3	3	4	4	6	0
II. Northern counties..	52	15.8	14	6	5	9	4	2	1	1	2	1	3	4
III. Central counties....	87	19.0	14	24	18	9	4	2	2	5	2	3	2	2
IV. Southern counties...	590	34.0	85	99	91	68	53	18	14	19	14	36	40	53
Deaths by sex, 1911.			Deaths by ages, 1911.											
Males.	Females.		Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
441	364		335	518	20	538	17	9	17	15	27	57	71	54

Table 39.—Deaths from pneumonia in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	1,958	68.5	293	341	314	245	143	62	36	59	56	86	136	187
I. Upper Peninsula....	192	57.5	28	36	29	21	22	8	7	7	6	7	9	12
II. Northern counties..	197	59.7	27	28	35	25	10	5	5	8	7	10	16	21
III. Central counties....	305	66.6	53	55	57	34	17	11	4	16	5	9	19	25
IV. Southern counties...	1,264	72.8	185	222	193	165	94	38	20	28	38	60	92	129
Deaths by sex, 1911.			Deaths by ages, 1911.											
Males.	Females.		Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
1,139	819		328	494	48	542	70	137	144	179	221	254	285	126

DISEASES OF THE DIGESTIVE SYSTEM.

Diseases affecting the digestive system are of great numerical importance as causes of death. The following statement shows the movement of these diseases during the past five years:

	<i>Deaths.</i>				
	1907.	1908.	1909.	1910.	1911.
Total diseases digestive system	4,119	5,164	4,710	5,470	4,431
Diseases of stomach	622	657	704	747	690
Enteritis, under 2 years	1,451	2,201	1,782	2,295	1,598
Enteritis, over 2 years	368	532	486	621	425
Hernia and obstruction of bowels	238	373	377	364	368
Cirrhosis of liver	300	284	306	282	278
Other liver diseases	316	293	294	316	292
Peritonitis	245	246	222	393	336
Appendicitis	278	346	330	248	258
Other digestive diseases	211	232	209	204	186
	<i>Death rates per 100,000 population,</i>				
	1907.	1908.	1909.	1910.	1911.
Total diseases digestive system	157.7	195.7	176.6	194.6	155.1
Diseases of stomach	23.8	24.9	26.4	26.6	24.2
Enteritis, under 2 years	55.6	83.4	66.8	81.7	55.9
Enteritis, over 2 years	14.1	20.2	18.2	22.1	14.9
Hernia and obstruction of bowels	12.6	14.1	14.1	13.0	12.9
Cirrhosis of liver	11.5	10.8	11.5	10.0	9.7
Other liver diseases	12.1	11.1	11.0	11.2	10.2
Peritonitis	9.4	9.3	8.3	14.0	11.8
Appendicitis	10.6	13.1	12.4	8.8	9.0
Other digestive diseases	8.1	8.8	7.8	7.3	6.5

The high death rate from diarrhoeal diseases of children under 2 years of age should be considered in connection with the fact that the other diseases given are not limited to any particular age periods, excepting only the complementary statement of diarrhoea and enteritis over 2 years of age. Even on this basis, the mortality from infantile diarrhoea is much greater than that of any other disease in this group.

In Tables 40, 41 and 42 the monthly prevalence, age, sex and geographical distribution are shown for diseases of the stomach, diarrhoea and enteritis under two years of age, and diarrhoea and enteritis over 2 years of age.

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Table 40.—Deaths from diseases of the stomach in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	690	24.2	60	57	65	49	44	43	70	61	81	64	47	49
I. Upper Peninsula....	53	15.9	6	5	5	2	4	3	6	2	6	5	4	5
II. Northern counties..	83	25.2	6	8	9	10	6	5	7	5	9	10	3	5
III. Central counties....	129	28.2	12	13	9	6	8	10	15	13	11	13	6	13
IV. Southern counties...	505	29.1	40	41	48	39	35	31	50	47	61	41	39	33

Deaths by sex, 1911.		Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
390	300	240	284	5	289	11	20	27	51	59	61	110	62

Table 41.—Deaths from diarrhea and enteritis, under 2 years, in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	1,598	55.9	63	56	60	56	94	79	246	362	322	163	59	38
I. Upper Peninsula....	273	81.7	17	12	13	15	18	15	36	67	43	22	8	7
II. Northern counties..	168	51.0	11	6	12	3	5	10	15	33	47	17	8	1
III. Central counties....	185	40.4	5	6	3	7	14	5	17	39	44	30	8	7
IV. Southern counties..	972	56.0	30	32	32	31	57	49	178	223	188	94	35	23

Deaths by sex, 1911.		Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
906	692	1,309	1,598	.....	1,598	.....	.....	.....	.....	.....	.....	.....	.....

Table 42.—Deaths from diarrhea and enteritis, over 2 years, in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	425	14.9	21	22	21	22	29	27	48	83	61	44	24	23
I. Upper Peninsula....	41	12.3	4	2	2	2	5	4	3	6	5	3	3	2
II. Northern counties...	67	20.3	1	1	6	4	7	6	8	16	7	5	1	5
III. Central counties....	61	13.3	.....	1	2	4	3	3	8	20	9	6	4	1
IV. Southern counties...	256	14.7	16	18	11	12	14	14	29	41	40	30	16	15

Deaths by sex, 1911.		Deaths by ages, 1911.											
Males.	Females.	Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
187	238	.....	111	30	141	10	18	20	26	34	46	76	54

DISEASES OF THE GENITO-URINARY SYSTEM.

The principal cause of death in this group is Bright's disease, from which 1,745 deaths were returned for the year 1911, corresponding to a rate of 61.1 per 100,000 estimated population. Bright's disease includes acute and chronic nephritis in various forms, besides a considerable number of deaths from "uremia" or "uremic poisoning" which terms cannot be regarded as very definite.

Years.	Deaths from Bright's disease.	Death rates per 100,000 population.
1907.....	1,412	54.1
1908.....	1,370	51.9
1909.....	1,400	52.5
1910.....	1,955	69.6
1911.....	1,745	61.1

The distribution of the deaths from Bright's disease during the year 1911, by months for the State and four geographical sections is given in Table 43, which also contains a statement of the sex and age distribution.

By geographical sections, the highest rate of mortality occurred in the southern counties, and the lowest in the Upper Peninsula. For the State as a whole, the month of April had the most deaths and the month of June the fewest. The largest number of deaths occurred in the age period 70 to 79 years. By sex, there were 988 deaths of males and 757 deaths of females.

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Table 43.—Deaths from Bright's disease in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	1,745	61.1	171	125	178	189	148	115	134	126	142	124	145	148
I. Upper Peninsula....	110	32.9	11	10	13	7	14	3	7	6	4	9	11	15
II. Northern counties..	191	57.9	19	20	14	24	8	9	14	19	14	16	13	21
III. Central counties....	240	52.4	17	17	25	20	27	16	23	22	16	10	26	21
IV. Southern counties...	1,204	69.4	124	78	126	138	99	87	90	79	108	89	95	91
Deaths by sex, 1911.			Deaths by ages, 1911.											
Males.	Females.		Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
988	757		15	24	15	39	33	65	109	169	304	395	441	190

DEATHS FROM VIOLENCE.

Accidental deaths and all other forms of violence, including suicides and homicides, so far as the returns distinguished the causes of violent deaths, may be found in the following statement for the past five years.

	Deaths.				
	1907.	1908.	1909.	1910.	1911.
Total deaths from violence.....	2,585	2,553	2,348	2,610	2,617
Accidental.....	2,265	2,101	1,975	2,158	2,121
Suicidal.....	276	386	315	388	428
Homicidal.....	44	66	58	64	68
	Death rates per 100,000 population.				
	1907.	1908.	1909.	1910.	1911.
Total deaths from violence.....	99.0	96.3	88.1	92.9	91.6
Accidental.....	86.7	79.6	74.1	76.8	74.2
Suicidal.....	10.6	14.6	11.8	13.8	15.0
Homicidal.....	1.7	2.1	2.2	2.3	2.4

The age, sex, and geographical distribution of the deaths reported from suicide and accidental violence may be found in Tables 44 and 45. The number of deaths from homicide is so small that it was not thought necessary to present a similar table, but full details may be found in the primary tables under this item in the classified list of causes of deaths.

Table 44.—Deaths from suicide in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	428	15.0	30	34	41	39	37	46	47	43	27	34	21	29
I. Upper Peninsula....	26	7.8	2	.....	2	1	1	4	4	6	1	3	2	0
II. Northern counties..	38	11.5	1	3	2	2	3	6	8	2	4	4	1	2
III. Central counties....	50	10.9	.....	6	4	6	5	7	5	5	2	4	2	4
IV. Southern counties...	313	18.0	27	25	33	30	28	29	30	29	20	23	16	23
Deaths by sex, 1911.			Deaths by ages, 1911.*											
Males.	Females.		Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
324	104	.....	.....	.....	1	1	16	76	67	88	79	63	27	8

*Includes 3 at unknown age.

Table 45.—Deaths from accidents in Michigan, 1911.

Geographical sections.	Total deaths, 1911.	Death rate per 100,000 population.	Deaths by months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
State.....	2,121	74.2	141	128	148	138	201	208	304	213	179	162	150	149
I. Upper Peninsula....	364	109.0	18	35	23	20	41	27	50	42	25	26	36	21
II. Northern counties..	233	70.7	18	15	15	18	21	22	34	16	25	15	14	20
III. Central counties....	285	62.3	18	15	21	22	30	15	36	34	29	20	26	19
IV. Southern counties...	1,240	71.4	87	63	89	78	109	144	184	122	100	101	74	89
Deaths by sex, 1911.			Deaths by ages, 1911.*											
Males.	Females.		Under 1 year.	Under 5 years.	5 to 9.	Under 10 years.	10 to 19.	20 to 29.	30 to 39.	40 to 49.	50 to 59.	60 to 69.	70 to 79.	80 and over.
1,670	451	74	282	102	384	268	360	258	224	206	155	141	109	

*Includes 16 at unknown ages.

PART IV—MARRIAGES IN MICHIGAN DURING 1911.

There were 29,859 marriages returned to the Department of State as having occurred during the year 1911. This is an increase of 820 over the number registered for the year 1910. The marriage rate for the year was 20.9 persons married per 1,000 estimated population.

SUMMARY OF THE REGISTRATION OF MARRIAGES IN MICHIGAN, 1911.

Some of the most important facts relative to the registration of marriages in Michigan during the year 1911 are herewith presented:

Total number of marriages returned, 1911.....	29,859
Persons married per 1,000 estimated population, 1911.....	20.9

The above statement does not include 94 marriages performed by Judges of Probate under the act authorizing secret marriages in certain cases. Fifty-one of these secret marriages were at illegal ages according to the general laws of the State and others gave legal sanction to common-law unions, the couples being supposed to have been married regularly by the communities in which they live. A table showing the age distribution of these marriages may be found among the primary tables relating to marriages.

As to occurrence of marriages by months, we have:

More than average number.....	June, August, September, October, November.
Less than average number.....	January, February, March, April, May, July, December.
Favorite month for marriage.....	June, 3,629 or 33.0 per 1,000 estimated population.
Month of fewest marriages.....	March, 1,763 or 13.7 per 1,000 estimated population.

Of the 29,859 marriages, there were with respect to nativity:

Both bridegroom and bride of native birth.....	21,234
Both bridegroom and bride of foreign birth.....	3,795

Including mixed marriages, that is, marriages in which the bridegroom and bride were of different nativities, we have:

Males of native birth married, 1911.....	22,997 or 77.0 per cent
Males of foreign birth married, 1911.....	6,855 or 23.0 per cent
Females of native birth married, 1911.....	24,265 or 81.3 per cent
Females of foreign birth married, 1911.....	5,360 or 18.0 per cent

As to age at marriage, the most important groups were:

Males aged 20 to 24 years, both inclusive.....	12,495 or 41.8 per cent
Males aged 25 to 29 years, both inclusive.....	8,379 or 28.1 per cent
Females under 20 years of age.....	8,288 or 27.8 per cent
Females aged 20 to 24 years, both inclusive.....	11,900 or 39.9 per cent

MARRIAGES AND MARRIAGE RATES BY COUNTIES, 1911.

Besides the primary tables giving a full statement of the marriages returned from each county by months and periods of age of persons married, together with the statement of nativity of persons married by counties, tables of which appear under the primary tables relating to marriages in this report, reference may be made to Table 6, which shows

the marriage rates for each county for the year. The rates are stated, as is the preferable custom, as the number of *persons married* per 1,000 estimated population. In general such comparisons of marriages or persons married to the population are subject to further analysis on the basis of the number of unmarried persons in the population and their age distribution. Such an exceptional rate as that of Berrien county is due to the large number of marriages of persons who are non-residents of the State. Aside from this exception, the rates of the other counties show considerable uniformity.

MARRIAGES RETURNED BY MONTHS, 1902-1911.

In Table 46 the marriages returned in Michigan for the past ten years are shown according to the months in which the ceremonies were performed. For 1911 the largest number occurred in the month of June, 3,863, and the least number, March, 1,658.

Table 46.—Marriages returned, by months, for the years 1902-1911 with average for the ten-year period.

Years.	Total marriages.	Months of marriage.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1902.....	25,653	1,767	1,430	1,571	2,190	1,846	2,753	2,009	1,982	2,435	2,572	2,559	2,555	6
1903.....	26,029	1,720	1,669	1,618	2,080	1,905	3,072	1,902	2,082	2,598	2,424	2,520	2,417	22
1904.....	24,918	1,498	1,454	1,466	2,065	1,847	2,996	1,813	2,081	2,460	2,490	2,647	2,125	6
1905.....	26,307	1,603	1,474	1,717	1,662	2,049	3,192	2,038	2,248	2,622	2,700	2,823	2,179	.....
1906.....	27,519	1,816	1,741	1,583	2,025	2,095	3,388	2,189	2,376	2,753	2,718	2,667	2,168	.....
1907.....	27,940	1,865	1,630	1,598	2,175	2,040	3,577	2,336	2,400	2,807	2,712	2,696	2,109	.....
1908.....	25,765	1,702	1,591	1,608	1,830	1,780	3,242	1,995	2,254	2,692	2,390	2,499	2,179	3
1909.....	27,353	1,650	1,774	1,620	1,896	2,061	3,436	2,111	2,347	2,972	2,541	2,766	2,179	.....
1910.....	29,039	1,998	1,720	1,746	2,128	2,130	3,850	2,251	2,577	2,852	2,752	2,793	2,241	1
1911.....	29,859	1,866	2,050	1,658	1,940	2,255	3,863	2,414	2,594	2,938	2,816	3,034	2,436	1
Av. 1902-1911....	27,038	1,749	1,653	1,619	1,999	2,001	3,333	2,106	2,294	2,713	2,612	2,700	2,258	.....

MARRIAGES BY MONTHS AND QUARTERS, 1911.

The distribution of marriages during the year 1911 is further shown in Table 47, where figures are given, not only for the number returned, but also showing the average number per day for each month, the rank on a standard scale, and the rate per 1,000 persons married by months for the year. The month of highest rank, considered as to choice for marriages, was June, while March was the least frequently chosen.

Table 47.—Marriages in Michigan, by months and quarters, 1911.

Year and months.	Number of marriages. 1911.		Average number per day.	Rank.	Persons married per 1,000 estimated population.	Ten-year period, 1902-1911.		
	By months.	By quarters.				Average number.*	Average daily number.*	Rank.
Year, 1911.....	29,859	.....	.....	1,200	20.9	29,442	80.7	1,200
January.....	1,866	5,574	60.2	74	15.4	1,904	61.4	76
February.....	2,050		73.2	89	18.7	1,801	64.3	80
March.....	1,658		53.5	65	13.7	1,763	56.9	71
April.....	1,940	8,058	64.7	79	16.6	2,177	72.6	90
May.....	2,255		72.7	89	18.6	2,168	69.9	87
June.....	3,863		128.8	157	33.0	3,629	121.0	150
July.....	2,414	7,946	77.9	95	19.9	2,293	74.0	92
August.....	2,594		83.7	102	21.4	2,498	80.6	100
September.....	2,938		97.9	119	25.1	2,954	90.8	113
October.....	2,816	8,230	90.8	111	23.3	2,844	91.7	114
November.....	3,034		101.1	124	25.9	2,940	98.0	121
December.....	2,430		78.4	89	20.1	2,459	79.3	98
Unknown.....	1	.....	.....	.....	.....	.....	.....	.....
Average.....	2,488	7,465	81.8	100	.....	.....	.....	100

*Numbers given in Table 46 multiplied by 1.0889, the ratio between the estimated population of Michigan in 1911 and the average estimated population of the period 1902-1911. The monthly and daily numbers are, therefore, directly comparable for the year and ten-year period.

NATIVITY OF PERSONS MARRIED IN MICHIGAN, 1911.

The facts in regard to the nativity of persons married in Michigan during the year 1911, which may be found in detail in Table III, for each county of the State, are summarized in Table 48, and are compared by means of five-year averages with the corresponding figures for preceding years of registration in Table 49.

Out of the 29,859 marriages during the year, 21,234 were those in which both the bridegroom and bride were of native birth. This corresponds to a percentage of 71.1. The number of foreign born couples was 3,795, or 12.7 per cent.

Table 48.—By nativity, the number and per cent of brides and bridegrooms returned for the year 1911.

Bridegrooms and brides—nativity specified.	Brides, 1911.			Bridegrooms, 1911.	
	Native born.	Foreign born.	Unknown.	Total of each nativity.	Per cent of each nativity.
Bridegrooms.....	21,234	1,565	198	22,997	77.0
{ Native born.....	3,024	3,795	36	6,855	23.0
{ Foreign born.....	7			7	0.0
{ Unknown.....					
Brides.....	24,265	5,360	234	29,859	100.0
{ Total of each nativity.....	81.3	18.0	0.7		
{ Per cent of each nativity.....					

Table 49.—Nativity of marriages in Michigan for the year 1911; compared with averages for eight quinquennial periods, 1871-1910.

Years and periods averaged.	Nativity of marriages.—Per cent of total.				
	Both native born.	Both foreign born.	Foreign groom and native bride.	Native groom and foreign bride.	One or both unknown.
Average, 1871-1875.....	59.7	18.5	12.3	7.0	2.6
Average, 1876-1880.....	63.2	14.0	13.3	7.4	2.2
Average, 1881-1885.....	58.2	19.4	12.4	8.7	1.3
Average, 1886-1890.....	56.4	20.3	13.2	8.1	2.0
Average, 1891-1895.....	58.0	18.2	13.2	7.9	2.6
Average, 1896-1900.....	63.1	14.0	12.5	8.0	2.3
Average, 1901-1905.....	66.1	12.7	12.4	7.4	1.1
Average, 1906-1910.....	68.9	12.8	11.1	6.2	1.0
1911.....	71.1	12.7	10.1	5.3	0.8

AGES OF PERSONS MARRIED IN MICHIGAN, 1911.

Primary Table II shows the age distribution of persons married in Michigan by counties during the year, and Table IV shows the various age combinations of persons married by sex; that is to say, how many males under 20 married females of the same age period; how many married females aged 20-24 years, 25-29 years, and so on in order. The group of ages at which the greatest number of marriages occurred is that in which both the males and females were aged from 20-24 years, the number of marriages at these ages being 6,254. Next in order comes the group of males 20-24 and females under 20, of which the number was 5,495, and then the group of males 25-29 with females aged 20-24 years, numbering 4,042. These three groups include 15,791 marriages, or over 52 per cent of the total number recorded. The proportion of males and females married at each age period may be seen in Tables 50 and 51 respectively, with comparisons of eight quinquennial periods.

VITAL STATISTICS OF MICHIGAN, 1911.

Table 50.—Percentage of males married in Michigan at specified periods of age for the year 1911; compared with averages for eight quinquennial periods, 1871-1910.

Years and periods averaged.	Ages of males married.														Unk.
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
Average, 1871-1875.....	2.6	41.2	29.5	10.6	5.5	3.3	2.3	1.7	1.0	0.8	0.5	0.3	0.1	.....	0.6
Average, 1876-1880.....	2.6	40.8	29.8	10.8	5.6	3.2	2.2	1.6	1.1	0.8	0.5	0.3	.....	.....	0.5
Average, 1881-1885.....	2.3	39.5	30.7	11.4	5.7	3.2	2.2	1.6	1.0	0.9	0.5	0.3	.....	.....	0.4
Average, 1886-1890.....	2.1	37.7	32.4	12.2	5.7	3.0	2.4	1.5	1.1	0.8	0.6	0.3	.....	.....	0.1
Average, 1891-1895.....	1.9	38.1	30.8	12.7	6.0	3.2	2.3	1.7	1.2	0.9	0.7	0.3	.....	.....	.....
Average, 1896-1900.....	1.8	37.7	30.6	12.5	6.6	3.4	2.5	1.7	1.2	0.9	0.6	0.3	0.1	.....	.....
Average, 1901-1905.....	2.1	38.6	29.5	12.2	6.5	3.7	2.5	1.7	1.2	0.9	0.6	0.3	0.1	.....	.....
Average, 1906-1910.....	2.8	40.7	27.7	11.5	6.1	3.5	2.6	1.8	1.2	1.0	0.6	0.4	0.1	.....	.....
1911.....	2.9	41.8	28.0	10.7	5.9	3.4	2.4	1.8	1.2	0.9	0.6	0.4	0.1	.....	.....

Table 51.—Percentage of females married in Michigan at specified periods of age for the year 1911; compared with averages for eight quinquennial periods, 1871-1910.

Years and periods averaged.	Ages of females married.														Unk.
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
Average, 1871-1875.....	36.9	36.5	12.7	5.0	3.0	2.0	1.3	0.8	0.5	0.3	0.2	.....	.....	.....	0.9
Average, 1876-1880.....	37.4	37.4	11.7	4.7	3.1	1.0	1.3	0.8	0.5	0.3	0.2	.....	.....	.....	0.7
Average, 1881-1885.....	33.8	38.7	13.7	4.9	3.1	1.9	1.3	0.8	0.5	0.3	0.2	0.1	.....	.....	0.6
Average, 1886-1890.....	32.8	39.5	14.2	5.2	2.9	1.9	1.3	0.9	0.6	0.4	0.2	0.1	.....	.....	0.2
Average, 1891-1895.....	30.8	40.6	14.3	5.3	3.1	2.0	1.4	1.0	0.6	0.5	0.2	0.1	.....	.....	.....
Average, 1896-1900.....	28.1	41.3	15.5	5.7	3.4	2.0	1.5	1.0	0.7	0.5	0.2	0.1	.....	.....	.....
Average, 1901-1905.....	27.1	40.5	16.8	6.1	3.4	2.2	1.5	1.0	0.6	0.5	0.3	0.1	.....	.....	.....
Average, 1906-1910.....	27.4	40.1	15.7	6.3	3.7	2.3	1.7	1.1	0.7	0.5	0.3	0.1	.....	.....	.....
1911.....	27.8	39.9	15.9	6.1	3.8	2.1	1.7	1.1	0.7	0.5	0.3	0.1	.....	.....	.....

PART V — DIVORCES IN MICHIGAN DURING THE YEAR 1911.

There were 4,026 divorces granted in Michigan during the year 1911, according to the returns of the county clerks of the State. This number, as shown in Table 6, corresponds to an annual rate of 2.8 persons divorced per 1,000 estimated population. By referring to Table 52 it will be noted that of the 4,026 divorces granted during the year, 1,150, or 28.6 per cent, were granted on the application of the husband, and 2,876, or 71.4 per cent, were granted upon application of the wife.

By referring to the "Summary" table, appearing among the primary tables relating to divorces, it will be noted that 82 divorce applications were refused; 411 withdrawn or otherwise disposed of; and 610 were contested. This table also shows that on December 31, 1911, there were 16,159 cases pending in the different courts of the State.

Table 52 also shows that in 2,085 cases of divorce, or over one-half of the total number, there were no children in the families broken up by divorce.

Table 52.—Children affected by divorces in Michigan during 1911, showing the relation of sex of complainant to size of family.

Complainants.	Total divorces granted, 1911.	Number of children in family.																
		None.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	Unk.	
Total divorces	4,026	2,085	924	462	237	132	57	45	17	14	8	3	5	3	1	1	32	
Husbands	1,150	675	213	102	64	39	14	16	7	4	2	1	1	.....	1	.....	11
Wives	2,876	1,410	711	360	173	93	43	29	10	10	6	2	4	3	.....	1	21
Per cent of husbands	28.6	32.4	23.1	22.1	27.0	29.5	24.6	35.6	41.2	28.6	25.0	33.3	20.0	.....	100.0	.....	34.4
Per cent of wives	71.4	67.6	76.9	77.9	73.0	70.5	75.4	64.4	58.8	71.4	75.0	66.7	80.0	100.0	.....	100.0	65.6
Total number of children affected	4,093	.....	924	924	711	528	285	270	119	112	72	30	55	36	13	14	.....

DURATION OF MARRIAGE PRIOR TO DIVORCE, 1911.

According to table 53, there were 1,259 divorces granted in which the couples had been married less than five years; the group 5-9 years shows 1,197. The number of divorces decrease very rapidly from this point. The table also shows that in two instances the couples had lived together over fifty years.

Table 53.—Duration of marriages terminated by divorces granted in Michigan during 1911, showing relation of sex of complainant to lapse of time before divorce.

Complainants.	Total divorces granted, 1911.	Duration of marriage before divorce.																
		Years under five.					Five-year periods.											
		Under 1 yr.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	Unknown.
Total divorces.....	4,026	111	244	291	287	326	1259	1197	655	338	251	172	72	30	27	7	2	16
Husbands.....	1,150	31	72	80	85	78	346	332	181	102	81	39	28	14	16	4	1	6
Wives.....	2,876	80	172	211	202	248	913	865	474	236	170	133	44	16	11	3	1	10
Per cent of husbands.....	28.6	27.9	29.5	27.5	29.6	23.9	27.5	27.7	27.6	30.2	32.3	22.7	38.9	46.7	59.3	57.1	50.0	37.5
Per cent of wives.....	71.4	72.1	70.5	72.5	70.4	76.1	72.5	72.3	72.4	69.8	67.7	77.3	61.1	53.3	40.7	42.9	50.0	62.5

CAUSES OF DIVORCE GRANTED IN MICHIGAN, 1911.

According to the returns as shown in Table 54, "Cruelty" was the leading cause, as usual, for divorces, 44.4 per cent of the total number granted, being attributable to it. Of this number, 626 were granted upon complaint of the husband, and 1,160 upon complaint of the wife. The next in order as a leading cause for divorce was "Desertion" with 581 divorces; 327 upon complaint of the husband and 254 upon complaint of the wife. "Non-support" follows next in order, there being 397 divorces from this cause. "Drunkenness" shows 32 divorces granted, 4 being upon complaint of the husband and 28 upon complaint of the wife.

Table 54.—Principal causes of divorce in Michigan during the year 1911, showing by sex, the percentage of complainants from each cause.

Causes alleged.	Number of divorces granted, 1911.			Per cent of total.		
	Total.	To husbands.	To wives.	Total.	To husbands.	To wives.
ALL CAUSES.....	4,026	1,150	2,876	100.0	28.6	71.4
<i>Adultery</i>	72	47	25	1.8	4.1	0.9
Adultery (sole cause alleged).....	66	45	21	1.6	3.9	0.7
Adultery (with other causes).....	6	2	4	0.1	0.2	0.1
<i>Cruelty</i>	2,675	737	1,938	66.4	64.1	67.4
Cruelty (sole cause alleged).....	1,786	626	1,160	44.4	54.4	40.3
Cruelty (with other causes).....	889	111	778	22.1	9.7	27.0
<i>Desertion</i>	895	400	495	22.2	34.8	17.2
Desertion (sole cause alleged).....	581	327	254	14.4	28.4	8.8
Desertion (with other causes).....	314	73	241	7.8	6.3	8.4
<i>Drunkenness</i>	32	16	187	5.0	1.4	6.5
Drunkenness (sole cause alleged).....	32	4	28	0.8	0.3	1.0
Drunkenness (with other causes).....	171	12	159	4.2	1.0	5.5
<i>Non-support</i>	1,284	57	1,227	31.9	5.0	42.7
Non-support (sole cause alleged).....	397	12	385	9.9	1.0	13.4
Non-support (with other causes).....	887	45	842	22.0	3.9	29.3

TABLES
RELATING TO
BIRTHS
IN
MICHIGAN
DURING THE
YEAR 1911.

PRIMARY TABLES RELATING TO BIRTHS IN MICHIGAN DURING THE YEAR 1911

Table 1.—Births in Michigan, by months, counties and sex, for the year 1911. (Stillbirths excluded).

Table 1a.—Births in cities of Michigan, by months and sex, for the year 1911. (Stillbirths excluded).

Table 2.—Births in Michigan, by nativity of parents, counties and sex, for the year 1911. (Stillbirths excluded).

Table 2a —Births in cities of Michigan, by nativity of parents, and sex, for the year 1911. (Stillbirths excluded).

Table 3 —Stillbirths, twins and illegitimate births in Michigan by counties, for the year 1911.

Table 3a.—Stillbirths, twins and illegitimate births in cities of Michigan for the year 1911.

Table 4.—Stillbirths, twins and illegitimate births in Michigan, by months and sex, for the year 1911.

BIRTHS.

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Table I.—Births in Michigan by months, counties and sex, during the year 1911. (Stillbirths excluded).

State and counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
STATE.....	Totals...	65,756	5,225	5,233	5,769	5,424	5,651	5,545	5,753	5,902	5,594	5,274	5,117	5,269
	Males...	34,013	2,687	2,670	2,967	2,811	2,991	2,837	3,001	3,073	2,896	2,736	2,618	2,726
	Females...	31,743	2,538	2,563	2,802	2,613	2,660	2,708	2,752	2,829	2,698	2,538	2,499	2,543
Alcona.....	Totals...	152	10	13	7	13	16	7	16	14	17	9	16	14
	Males...	80	4	5	4	4	12	3	10	9	10	2	10	7
	Females...	72	6	8	3	9	4	4	6	5	7	7	6	7
Alger.....	Totals...	171	12	19	9	18	18	10	15	11	16	14	14	15
	Males...	94	7	13	5	6	10	7	7	5	6	7	10	11
	Females...	77	5	6	4	12	8	3	8	6	10	7	4	4
Allegan.....	Totals...	747	63	51	80	53	65	59	75	70	62	57	56	56
	Males...	371	32	25	42	25	33	27	32	39	34	33	27	22
	Females...	376	31	26	38	28	32	32	43	31	28	24	29	34
Alpena.....	Totals...	368	34	27	39	35	30	38	36	28	26	21	25	29
	Males...	190	20	15	21	17	20	20	18	14	10	8	13	14
	Females...	178	14	12	18	18	10	18	18	14	16	13	12	15
Antrim.....	Totals...	348	35	30	32	30	38	37	31	26	15	33	21	20
	Males...	183	16	17	17	14	22	17	16	16	9	15	14	10
	Females...	165	19	13	15	16	16	20	15	10	6	18	7	10
Arenac.....	Totals...	219	23	21	18	18	20	16	14	14	18	20	19	18
	Males...	124	17	12	10	11	10	7	7	4	11	14	10	11
	Females...	95	6	9	8	7	10	9	7	10	7	6	9	7
Baraga.....	Totals...	86	11	7	4	14	2	1	12	11	8	5	5	6
	Males...	51	5	5	1	10	1	1	8	6	3	3	4	5
	Females...	35	6	2	3	4	2	4	4	5	5	2	1	1
Barry.....	Totals...	472	27	42	44	33	33	40	39	43	51	38	41	41
	Males...	225	16	16	24	15	17	21	18	18	24	15	19	22
	Females...	247	11	26	20	18	16	19	21	25	27	23	22	19
Bay.....	Totals...	1,606	127	140	163	145	151	127	125	143	122	102	120	141
	Males...	831	74	66	83	75	71	65	71	78	68	55	57	68
	Females...	775	53	74	80	70	80	62	54	65	54	47	63	73
Benzie.....	Totals...	228	19	16	20	26	13	27	25	23	11	23	15	10
	Males...	125	7	11	12	11	9	15	15	13	8	11	5	8
	Females...	103	12	5	8	15	4	12	10	10	3	12	10	2
Berrien.....	Totals...	953	86	61	65	72	92	60	82	89	98	83	92	73
	Males...	491	52	22	36	35	43	35	41	40	44	44	60	39
	Females...	462	34	39	29	37	49	25	41	49	54	39	32	34
Branch.....	Totals...	411	33	27	36	36	39	30	42	42	44	19	37	26
	Males...	217	13	14	22	19	19	16	23	24	20	11	21	15
	Females...	194	20	13	14	17	20	14	19	18	24	8	16	11
Calhoun.....	Totals...	1,097	88	80	88	114	88	89	105	89	94	89	72	101
	Males...	557	41	33	49	62	47	46	56	50	50	40	33	50
	Females...	540	47	47	39	52	41	43	49	39	44	49	39	51
Cass.....	Totals...	382	28	29	34	34	34	26	29	44	29	33	32	30
	Males...	209	15	20	17	12	25	13	18	29	13	15	16	16
	Females...	173	13	9	17	22	9	13	11	15	16	18	16	14
Charlevoix.....	Totals...	417	28	31	40	38	38	33	41	51	35	33	24	25
	Males...	226	13	12	19	17	21	21	23	32	24	19	13	12
	Females...	191	15	19	21	21	17	12	18	19	11	14	11	13
Cheboygan.....	Totals...	434	26	38	33	43	42	48	43	33	32	38	23	35
	Males...	218	9	22	18	18	24	27	29	14	12	21	7	17
	Females...	216	17	16	15	25	18	21	14	19	20	17	16	18
Chippewa.....	Totals...	619	41	68	62	43	60	49	60	56	46	37	38	59
	Males...	331	17	34	30	20	37	28	39	29	27	18	19	33
	Females...	288	24	34	32	23	23	21	21	27	19	19	19	26

VITAL STATISTICS OF MICHIGAN, 1911.

Table I.—Continued.—Births in Michigan by months, counties and sex, during the year 1911 (Stillbirths excluded).

Counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Clare.....	Totals...	199	14	13	19	18	20	18	21	12	16	20	18	10
	Males...	119	11	6	10	10	14	10	16	6	7	12	11	6
	Females...	80	3	7	9	8	6	8	5	6	9	8	7	4
Clinton.....	Totals...	446	46	34	39	34	37	30	41	47	35	41	26	36
	Males...	237	21	19	19	16	20	18	22	23	19	22	17	21
	Females...	209	25	15	20	18	17	12	19	24	16	19	9	15
Crawford.....	Totals...	98	10	12	10	7	1	12	6	8	9	12	7	4
	Males...	56	4	7	7	2	1	8	4	5	5	9	2	2
	Females...	42	6	5	3	5	.....	4	2	3	4	3	5	2
Delta.....	Totals...	812	63	60	77	82	61	72	61	79	62	65	73	57
	Males...	429	30	27	49	42	34	43	30	46	28	38	35	27
	Females...	383	33	33	28	40	27	29	31	33	34	27	38	30
Dickinson.....	Totals...	549	44	42	52	34	50	43	57	37	44	47	59	40
	Males...	290	30	25	23	17	28	25	28	16	19	31	28	20
	Females...	259	14	17	29	17	22	18	29	21	25	16	31	20
Eaton.....	Totals...	560	44	55	40	46	51	41	50	52	50	47	44	40
	Males...	283	26	23	20	23	26	14	29	30	22	28	23	19
	Females...	277	18	32	20	23	25	27	21	22	28	19	21	21
Emmet.....	Totals...	412	25	32	34	38	38	35	51	47	41	32	18	21
	Males...	210	21	12	12	21	18	12	22	25	25	22	11	9
	Females...	202	4	20	22	17	20	23	29	22	16	10	7	12
Genesee.....	Totals...	1,360	110	127	124	108	112	97	118	123	111	113	110	107
	Males...	703	56	61	70	62	58	58	61	58	56	59	57	47
	Females...	657	54	66	54	46	54	39	57	65	55	54	53	60
Gladwin.....	Totals...	225	8	23	25	23	20	22	24	18	14	11	25	12
	Males...	122	5	17	9	12	12	11	13	9	5	8	15	6
	Females...	103	3	6	16	11	8	11	11	9	9	3	10	6
Gogebic.....	Totals...	856	77	73	82	58	86	65	84	81	65	53	65	67
	Males...	467	41	47	53	30	49	35	50	41	27	31	27	36
	Females...	389	36	26	29	28	37	30	34	40	38	22	38	31
Grand Traverse.....	Totals...	451	42	38	44	39	42	46	47	30	32	38	29	24
	Males...	231	27	21	21	19	18	26	20	13	20	16	18	12
	Females...	220	15	17	23	20	24	20	27	17	12	22	11	12
Gratiot.....	Totals...	683	59	45	67	59	77	57	53	58	45	68	43	52
	Males...	336	27	25	30	39	35	28	22	27	22	38	19	24
	Females...	347	32	20	37	20	42	29	31	31	23	30	24	28
Hillsdale.....	Totals...	498	41	36	39	50	37	48	52	37	52	41	32	33
	Males...	241	20	21	17	24	23	18	24	16	31	13	15	19
	Females...	257	21	15	22	26	14	30	28	21	21	28	17	14
Houghton.....	Totals...	2,715	248	205	243	223	219	232	215	252	261	221	217	179
	Males...	1,464	139	97	129	118	108	133	120	147	139	119	114	101
	Females...	1,251	109	108	114	105	111	99	95	105	122	102	103	78
Huron.....	Totals...	945	62	81	78	80	95	72	73	85	92	73	68	86
	Males...	490	29	36	48	45	53	34	34	42	45	42	34	45
	Females...	455	33	45	30	35	42	38	39	43	44	31	34	41
Ingham.....	Totals...	996	89	74	100	78	74	98	71	87	89	94	75	67
	Males...	514	45	31	50	44	43	48	44	38	39	54	41	37
	Females...	482	44	43	50	34	31	50	27	49	50	40	34	30
Ionia.....	Totals...	645	48	56	66	49	56	60	60	52	41	52	48	57
	Males...	319	20	30	29	22	23	33	35	32	20	23	23	29
	Females...	326	28	26	37	27	33	27	25	20	21	29	25	28
Iosco.....	Totals...	208	15	23	24	22	17	23	11	16	8	21	12	16
	Males...	114	12	12	17	14	11	12	3	7	2	10	7	7
	Females...	94	3	11	7	8	6	11	8	9	6	11	5	9

BIRTHS.

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Table I.—Continued.—Births in Michigan by months, counties and sex, during the year 1911. (Still-births excluded.)

Counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Iron.....	Totals...	488	53	43	50	41	30	37	36	42	42	36	42	36
	Males...	254	24	26	23	27	17	15	21	22	22	19	22	16
	Females...	234	29	17	27	14	13	22	15	20	20	17	20	20
Isabella.....	Totals...	572	40	35	42	49	51	46	59	61	55	43	46	45
	Males...	296	16	18	14	24	29	23	32	36	26	26	28	24
	Females...	276	24	17	28	25	22	23	27	25	29	17	18	21
Jackson.....	Totals...	985	75	59	86	64	85	83	95	98	90	76	90	84
	Males...	522	36	32	44	38	51	41	52	57	49	34	46	42
	Females...	463	39	27	42	26	34	42	43	41	41	42	44	42
Kalamazoo.....	Totals...	1,248	110	77	102	109	94	99	99	116	109	113	90	130
	Males...	676	59	48	50	65	48	50	56	65	55	57	49	74
	Females...	572	51	29	52	44	46	49	43	51	54	56	41	56
Kalkaska.....	Totals...	188	10	9	10	22	15	20	20	18	15	20	9	20
	Males...	105	5	7	8	14	8	13	8	8	9	13	4	8
	Females...	83	5	2	2	8	7	7	12	10	6	7	5	12
Kent.....	Totals...	3,667	306	313	311	293	302	308	304	321	300	314	300	295
	Males...	1,887	168	161	149	147	153	166	170	161	157	157	152	146
	Females...	1,780	138	152	162	146	149	142	134	160	143	157	148	149
Keweenaw.....	Totals...	340	31	28	30	26	29	33	38	29	22	21	29	24
	Males...	166	13	15	14	14	16	15	20	13	13	9	14	10
	Females...	174	18	13	16	12	13	18	18	16	9	12	15	14
Lake.....	Totals...	104	10	14	11	7	9	10	7	8	14	6	3	5
	Males...	62	7	12	8	5	7	4	4	4	3	3	2	3
	Females...	42	3	2	3	2	2	6	3	4	11	3	1	2
Lapeer.....	Totals...	550	47	36	53	32	56	40	46	46	49	57	45	43
	Males...	298	25	19	29	18	29	16	27	20	28	34	27	26
	Females...	252	22	17	24	14	27	24	19	26	21	23	18	17
Leelanau.....	Totals...	255	19	15	22	17	23	24	27	35	22	12	21	18
	Males...	137	9	7	9	11	14	15	15	22	11	6	10	8
	Females...	118	10	8	13	6	9	9	12	13	11	6	11	10
Lenawee.....	Totals...	841	67	71	66	83	77	74	63	62	77	76	60	65
	Males...	421	36	37	26	42	40	36	35	25	44	36	30	34
	Females...	420	31	34	40	41	37	38	28	37	33	40	30	31
Livingston.....	Totals...	326	17	28	29	32	27	22	24	34	35	27	25	26
	Males...	164	8	17	13	16	15	11	15	15	15	7	19	13
	Females...	162	9	11	16	16	12	11	9	19	20	20	6	13
Luce.....	Totals...	99	9	7	6	7	7	5	18	12	8	5	5	10
	Males...	57	6	1	3	4	6	5	10	5	6	3	4	4
	Females...	42	3	6	3	3	1	.....	8	7	2	2	1	6
Mackinac.....	Totals...	218	26	22	21	16	23	14	19	17	19	14	10	17
	Males...	111	18	8	10	12	13	7	9	9	9	8	2	6
	Females...	107	8	14	11	4	10	7	10	8	10	6	8	11
Macomb.....	Totals...	694	67	65	74	40	63	65	39	58	72	41	63	47
	Males...	366	41	37	42	21	30	32	18	23	38	24	32	28
	Females...	328	26	28	32	19	33	33	21	35	34	17	31	19
Manistee.....	Totals...	603	47	45	58	47	50	41	56	51	65	48	37	58
	Males...	306	24	22	24	27	21	20	30	30	34	23	21	30
	Females...	297	23	23	34	20	29	21	26	21	31	25	16	28
Marquette.....	Totals...	1,388	108	121	118	131	124	127	117	133	104	90	116	99
	Males...	718	52	63	66	71	67	65	61	67	55	48	53	50
	Females...	670	56	58	52	60	57	62	56	66	49	42	63	49
Mason.....	Totals...	485	41	28	63	44	44	42	46	51	29	31	29	37
	Males...	231	17	16	29	22	19	17	24	22	17	17	11	20
	Females...	254	24	12	34	22	25	25	22	29	12	14	18	17

VITAL STATISTICS OF MICHIGAN, 1911.

Table I.—Continued.—Births in Michigan by months, counties and sex, during the year 1911. (Still-births excluded).

Counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Mecosta.....	Totals...	412	34	39	35	29	39	33	33	36	42	35	26	31
	Males...	204	15	17	18	12	25	14	11	19	20	20	14	19
	Females.	208	19	22	17	17	14	19	22	17	22	15	12	12
Menominee....	Totals...	572	45	38	56	55	60	34	54	43	48	41	48	50
	Males...	306	26	21	32	23	31	18	27	24	28	21	22	33
	Females.	266	19	17	24	32	29	16	27	19	20	20	26	17
Midland.....	Totals...	328	26	27	27	22	24	28	36	23	23	34	20	38
	Males...	169	17	15	13	11	6	16	14	12	13	21	8	23
	Females.	159	9	12	14	11	18	12	22	11	10	13	12	15
Missaukee....	Totals...	296	24	29	30	20	33	31	29	12	20	26	20	22
	Males...	171	12	13	22	13	19	19	16	5	11	15	13	13
	Females.	125	12	16	8	7	14	12	13	7	9	11	7	9
Monroe.....	Totals...	670	50	55	55	59	53	60	56	54	62	64	48	54
	Males...	339	15	27	33	32	31	34	14	29	35	39	24	26
	Females.	331	35	28	22	27	22	26	42	25	27	25	24	28
Montcalm....	Totals...	610	38	47	52	45	54	53	61	61	58	45	49	47
	Males...	303	17	21	24	25	31	23	30	31	32	22	24	23
	Females.	307	21	26	28	20	23	30	31	30	26	23	25	24
Montmorency..	Totals...	99	12	11	9	6	8	10	6	9	10	8	2	8
	Males...	56	8	5	6	4	3	5	4	7	3	4	1	6
	Females.	43	4	6	3	2	5	5	2	2	7	4	1	2
Muskegon....	Totals...	939	61	72	85	79	87	69	77	99	92	86	62	70
	Males...	476	28	35	46	44	45	32	41	43	51	46	32	33
	Females.	463	33	37	39	35	42	37	36	56	41	40	30	37
Newaygo.....	Totals...	416	34	30	37	28	34	35	39	38	45	34	33	26
	Males...	222	18	12	16	16	18	20	15	21	28	21	18	19
	Females.	194	16	18	21	12	16	15	24	17	17	13	15	10
Oakland.....	Totals...	888	79	77	76	74	59	77	82	70	78	74	77	65
	Males...	454	37	40	39	38	35	29	49	40	35	41	37	34
	Females.	434	42	37	37	36	24	48	33	30	43	33	40	31
Oceana.....	Totals...	418	29	29	35	37	38	47	44	34	29	36	26	34
	Males...	208	14	18	15	7	21	25	24	18	12	19	15	20
	Females.	210	15	11	20	30	17	22	20	16	17	17	11	14
Ogemaw.....	Totals...	201	15	26	18	20	12	12	20	23	16	11	11	17
	Males...	109	7	17	12	11	5	5	11	13	8	5	7	8
	Females.	92	8	9	6	9	7	7	9	10	8	6	4	9
Ontonagon....	Totals...	299	28	23	29	20	27	30	29	26	22	16	29	20
	Males...	147	19	9	18	10	12	15	19	11	8	5	12	9
	Females.	152	9	14	11	10	15	15	10	15	14	11	17	11
Osceola.....	Totals...	418	32	33	33	33	39	36	41	42	47	27	27	28
	Males...	197	17	15	12	19	16	16	18	24	29	11	12	8
	Females.	221	15	18	21	14	23	20	23	18	18	16	15	20
Oscoda.....	Totals...	55	6	2	3	10	1	6	5	8	5	3	5	1
	Males...	24	3	1	1	3	.....	3	2	6	2	1	2	.....
	Females.	31	3	1	2	7	1	3	3	2	3	2	3	1
Otsego.....	Totals...	139	8	13	17	16	16	16	13	8	9	8	7	8
	Males...	62	4	7	6	9	8	6	5	2	5	6	2	2
	Females.	77	4	6	11	7	8	10	8	6	4	2	5	6
Ottawa.....	Totals...	1,155	94	100	108	95	94	96	86	112	109	93	98	70
	Males...	587	50	44	52	53	48	47	44	55	59	41	55	39
	Females.	568	44	56	56	42	46	49	42	57	50	52	43	31
Presque Isle...	Totals...	362	21	37	38	36	23	33	27	33	35	26	19	34
	Males...	182	9	17	24	17	15	13	14	20	16	9	12	16
	Females.	180	12	20	14	19	8	20	13	13	19	17	7	18

Table I.—Concluded.—Births in Michigan by months, counties and sex, during the year 1911. (Stillbirths excluded).

Counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Roscommon....	Totals...	48	1	2	4	4	2	5	4	4	11	3	4	4
	Males...	27	1	1	3	2	1	2	3	2	5	3	2	3
	Females...	21	1	1	1	2	1	3	1	2	6	.....	2	1
Saginaw.....	Totals...	1,687	131	141	133	144	133	147	154	129	136	132	139	168
	Males...	902	69	81	69	71	65	82	87	70	75	73	74	86
	Females...	785	62	60	64	73	68	65	67	59	61	59	65	82
St. Clair.....	Totals...	945	70	65	77	72	80	74	88	76	83	82	85	93
	Males...	501	37	34	42	43	43	36	36	37	39	48	50	56
	Females...	444	33	31	35	29	37	38	52	39	44	34	35	37
St. Joseph....	Totals...	416	44	34	42	31	24	41	22	29	43	44	31	31
	Males...	202	21	18	15	13	16	20	12	14	23	22	14	14
	Females...	214	23	16	27	18	8	21	10	15	20	22	17	17
Sanilac.....	Totals...	918	57	69	84	76	72	87	86	96	69	79	65	78
	Males...	473	29	38	54	40	31	47	47	48	29	40	31	39
	Females...	445	28	31	30	36	41	40	39	48	40	39	34	39
Schoolcraft....	Totals...	229	15	20	23	17	30	17	23	14	29	15	9	17
	Males...	111	4	6	11	8	17	8	15	7	16	6	5	8
	Females...	118	11	14	12	9	13	9	8	7	13	9	4	9
Shiawassee....	Totals...	683	51	55	62	55	56	52	60	68	49	66	55	54
	Males...	319	24	26	30	26	27	26	33	33	21	29	23	21
	Females...	364	27	29	32	29	29	26	27	35	28	37	32	33
Tuscola.....	Totals...	851	57	59	53	76	89	63	81	75	75	68	83	72
	Males...	393	28	20	22	30	47	30	39	32	34	33	43	35
	Females...	458	29	39	31	46	42	33	42	43	41	35	40	37
Van Buren....	Totals...	577	45	53	47	44	52	63	46	46	61	41	41	38
	Males...	313	23	32	23	32	29	31	24	31	29	17	25	17
	Females...	264	22	21	24	12	23	32	22	15	32	24	16	21
Washtenaw....	Totals...	816	68	56	73	70	75	68	72	70	58	71	65	70
	Males...	415	37	29	38	30	40	31	34	39	32	34	32	39
	Females...	401	31	27	35	40	35	37	38	31	26	37	33	31
Wayne.....	Totals...	15,385	1,190	1,207	1,305	1,227	1,314	1,314	1,336	1,398	1,275	1,241	1,268	1,310
	Males...	7,944	588	624	668	633	705	674	677	738	683	636	639	679
	Females...	7,441	602	583	637	594	609	640	659	660	592	605	629	631
Wexford.....	Totals...	505	41	39	34	51	42	50	45	66	37	32	26	42
	Males...	272	25	22	19	27	24	24	21	37	17	18	9	29
	Females...	233	16	17	15	24	18	26	24	29	20	14	17	13

VITAL STATISTICS OF MICHIGAN, 1911.

Table Ia.—Births in cities of Michigan by months and sex, during the year 1911. (Stillbirths excluded).

Cities.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
ALL CITIES.	Totals...	32,992	2,664	2,641	2,910	2,728	2,744	2,775	2,803	2,963	2,738	2,625	2,600	2,801
	Males...	16,957	1,354	1,322	1,507	1,416	1,449	1,420	1,445	1,526	1,414	1,374	1,315	1,415
	Females...	16,035	1,310	1,319	1,403	1,312	1,295	1,355	1,358	1,437	1,324	1,251	1,285	1,386
Adrian.....	Totals...	156	19	13	12	14	12	13	11	17	15	14	4	12
	Males...	74	8	5	4	7	5	7	6	9	10	7	1	5
	Females...	82	11	8	8	7	7	6	5	8	5	7	3	7
Allegan.....	Totals...	50	7	3	4	4	5	3	5	.....	5	3	6	5
	Males...	22	3	1	1	.....	3	2	3	.....	2	2	2	3
	Females...	28	4	2	3	4	2	1	2	.....	3	1	4	2
Albion.....	Totals...	134	10	14	13	9	7	13	12	6	15	18	5	12
	Males...	61	5	6	4	4	4	9	7	2	3	8	3	6
	Females...	73	5	8	9	5	3	4	5	4	12	10	2	6
Alma.....	Totals...	66	4	4	8	3	5	6	8	8	4	8	3	5
	Males...	32	2	2	2	3	3	5	5	1	1	5	1	2
	Females...	34	2	2	6	.....	2	1	3	7	3	3	2	3
Alpena.....	Totals...	233	23	17	29	22	17	28	23	15	17	10	11	21
	Males...	118	16	10	15	13	10	14	11	9	4	2	3	11
	Females...	115	7	7	14	9	7	14	12	6	13	8	8	10
Ann Arbor.....	Totals...	335	36	25	37	35	28	32	20	25	22	28	20	27
	Males...	166	17	14	22	16	17	10	8	17	10	14	8	13
	Females...	169	19	11	15	19	11	22	12	8	12	14	12	14
Au Gres.....	Totals...	6	.....	.....	.....	.....	.....	.....	1	1	1	2	1	.....
	Males...	5	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....
	Females...	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Au Sable.....	Totals...	8	.....	1	1	2	1	1	.....	.....	.....	.....	1	1
	Males...	4	.....	1	.....	2	.....	.....	.....	.....	.....	.....	1	.....
	Females...	4	.....	.....	1	.....	1	1	.....	.....	.....	.....	.....	1
Bad Axe.....	Totals...	25	2	2	2	3	.....	2	2	1	5	2	3	1
	Males...	12	1	.....	2	2	.....	1	.....	1	4	1	1	1
	Females...	13	1	2	2	1	.....	1	2	.....	1	1	2	.....
Bay City.....	Totals...	1,050	82	88	110	97	96	81	82	91	88	68	80	87
	Males...	530	46	36	58	49	44	40	41	50	52	35	34	45
	Females...	520	36	52	52	48	52	41	41	41	36	33	46	42
Battle Creek...	Totals...	487	40	27	43	52	38	41	48	44	45	32	32	45
	Males...	249	20	9	27	28	20	20	23	24	26	17	14	21
	Females...	238	20	18	16	24	18	21	25	20	19	15	18	24
Beaverton.....	Totals...	15	.....	.....	1	4	4	2	1	.....	.....	.....	3	.....
	Males...	10	.....	.....	1	1	3	1	1	.....	.....	.....	3	.....
	Females...	5	.....	.....	.....	3	1	1	.....	.....	.....	.....	.....	.....
Belding.....	Totals...	69	5	6	4	9	7	7	5	4	7	6	4	5
	Males...	31	3	2	.....	3	4	2	3	2	3	4	2	3
	Females...	38	2	4	4	6	3	5	2	2	4	2	2	2
Benton Harbor.	Totals...	111	10	6	2	7	8	5	12	14	8	6	19	14
	Males...	52	7	1	1	4	3	3	5	3	3	3	14	5
	Females...	59	3	5	1	3	5	2	7	11	5	3	5	9
Bessemer.....	Totals...	150	14	16	11	11	18	20	8	14	8	4	12	14
	Males...	80	10	11	9	5	10	8	4	6	.....	4	6	7
	Females...	70	4	5	2	6	8	12	4	8	8	.....	6	7
Big Rapids....	Totals...	82	3	3	8	2	12	9	7	8	9	5	6	10
	Males...	41	1	2	6	1	8	3	2	5	3	2	3	5
	Females...	41	2	1	2	1	4	6	5	3	6	3	3	5
Boyne City....	Totals...	156	8	18	16	12	14	13	13	18	17	12	7	8
	Males...	88	3	8	9	5	10	8	5	12	12	7	5	4
	Females...	68	5	10	7	7	4	5	8	6	5	5	2	4

Table 1a.—Continued.—Births in cities of Michigan by months and sex, during the year 1911. (Stillbirths excluded).

Cities.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Brown City....	(Totals...	26	3	1	4	1	2	1	5	1	.....	1	4	3
	Males...	12	2	1	3	.....	.....	.....	4	.....	.....	1	1	.....
	Females...	14	1	.....	1	1	2	1	1	1	.....	.....	3	3
Cadillac.....	(Totals...	227	21	17	15	26	16	21	22	29	12	19	14	15
	Males...	123	13	7	9	16	11	9	9	15	7	11	7	9
	Females...	104	8	10	6	10	5	12	13	14	5	8	7	6
Charlevoix.....	(Totals...	50	4	7	1	7	6	4	4	3	2	4	5	3
	Males...	24	1	4	1	6	1	2	2	.....	2	.....	3	2
	Females...	26	3	3	.....	1	5	2	2	3	.....	4	2	1
Charlotte.....	(Totals...	67	7	11	10	6	3	3	7	2	4	6	5	3
	Males...	35	5	4	4	5	2	1	3	.....	1	5	3	2
	Females...	32	2	7	6	1	1	2	4	2	3	1	2	1
Cheboygan.....	(Totals...	176	10	13	15	25	11	18	16	10	9	15	10	24
	Males...	92	4	8	9	13	5	11	11	4	4	9	2	12
	Females...	84	6	5	6	12	6	7	5	6	5	6	8	12
Clare.....	(Totals...	25	4	4	4	2	.....	1	3	1	3	.....	2	1
	Males...	11	2	1	2	1	.....	.....	2	.....	1	.....	1	1
	Females...	14	2	3	2	1	.....	1	1	1	2	.....	1	.....
Coleman.....	(Totals...	5	.....	.....	.....	.....	.....	1	.....	.....	.....	1	3	.....
	Males...	3	.....	.....	.....	.....	.....	1	.....	.....	.....	1	1	.....
	Females...	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
Coldwater.....	(Totals...	91	10	5	6	7	12	7	9	12	7	7	7	2
	Males...	49	5	3	5	3	4	3	6	7	1	4	6	2
	Females...	42	5	2	1	4	8	4	3	5	6	3	1	.....
Corunna.....	(Totals...	28	2	2	3	.....	1	2	4	7	1	3	.....	3
	Males...	13	2	2	2	.....	.....	1	3	2	.....	.....	.....	1
	Females...	15	.....	.....	1	.....	1	1	1	5	1	3	.....	2
Croswell.....	(Totals...	34	3	4	4	1	2	4	2	3	2	2	3	4
	Males...	17	3	2	2	1	.....	3	.....	2	1	.....	1	2
	Females...	17	.....	2	2	.....	2	1	2	1	1	2	2	2
Crystal Falls...	(Totals...	94	9	9	11	9	4	7	5	6	7	10	9	8
	Males...	48	3	7	7	7	3	2	2	2	3	7	3	2
	Females...	46	6	2	4	2	1	5	3	4	4	3	6	6
Detroit.....	(Totals...	13,668	1,047	1,075	1,153	1,074	1,178	1,175	1,166	1,246	1,137	1,113	1,128	1,176
	Males...	7,025	510	550	592	549	632	606	587	648	610	568	568	605
	Females...	6,643	537	525	561	525	546	569	579	598	527	545	560	571
Dowagiac.....	(Totals...	119	11	10	8	12	15	11	6	14	5	13	8	6
	Males...	63	5	7	3	4	11	5	5	9	3	5	5	1
	Females...	56	6	3	5	8	4	6	1	5	2	8	3	5
East Jordan...	(Totals...	42	3	2	4	10	4	.....	3	4	3	3	1	5
	Males...	19	1	.....	2	2	2	.....	1	4	2	2	1	2
	Females...	23	2	2	2	8	2	.....	2	.....	1	1	.....	3
East Lansing...	(Totals...	18	2	1	1	.....	1	1	4	1	2	2	3	.....
	Males...	9	1	1	.....	.....	1	.....	3	.....	1	1	1	.....
	Females...	9	1	.....	1	.....	.....	1	1	1	1	1	2	.....
East Tawas...	(Totals...	30	1	4	3	1	.....	5	2	3	1	4	2	4
	Males...	14	1	2	1	.....	.....	3	.....	3	.....	1	1	2
	Females...	16	.....	2	2	1	.....	2	2	.....	1	3	1	2
Eaton Rapids...	(Totals...	18	.....	1	1	2	1	2	2	2	.....	2	2	3
	Males...	8	.....	.....	.....	2	.....	.....	.....	1	.....	2	1	2
	Females...	10	.....	1	1	.....	1	2	2	1	.....	.....	1	1
Escanaba.....	(Totals...	321	23	21	29	35	20	25	23	36	29	22	37	21
	Males...	174	10	10	19	16	13	17	11	22	13	14	18	11
	Females...	147	13	11	10	19	7	8	12	14	16	8	19	10

VITAL STATISTICS OF MICHIGAN, 1911.

Table Ia.—Continued.—Births in cities of Michigan by months and sex, during the year 1911. (Stillbirths excluded.)

Cities.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Flint.....	Totals...	808	72	80	82	70	52	53	64	82	62	64	63	64
	Males...	414	39	37	45	38	28	25	33	39	36	33	35	26
	Females...	394	33	43	37	32	24	28	31	43	26	31	28	38
Gladstone.....	Totals...	158	10	10	16	17	8	16	18	18	10	14	10	11
	Males...	77	3	6	8	12	5	6	9	7	4	8	4	5
	Females...	81	7	4	8	5	3	10	9	11	6	6	6	6
Gladwin.....	Totals...	22	2	2	4	.....	1	3	2	3	1	1	1	2
	Males...	10	1	2	1	.....	1	1	1	1	1	1	1	1
	Females...	12	1	.....	3	.....	.....	2	2	2	1	.....	.....	1
Grand Haven...	Totals...	141	10	10	9	14	6	14	15	17	12	14	12	8
	Males...	69	5	5	3	6	3	6	9	9	9	4	7	3
	Females...	72	5	5	6	8	3	8	6	8	3	10	5	5
Grand Ledge...	Totals...	60	7	6	8	5	3	5	4	5	6	3	3	5
	Males...	34	6	3	3	3	1	3	2	3	4	2	1	3
	Females...	26	1	3	5	2	2	2	2	2	2	1	2	2
Grand Rapids...	Totals...	2,770	226	252	246	234	231	216	228	234	208	241	226	228
	Males...	1,391	118	128	118	114	115	117	121	110	109	121	109	111
	Females...	1,379	108	124	128	120	116	99	107	124	99	120	117	117
Greenville.....	Totals...	68	7	3	3	10	10	7	5	7	3	2	3	8
	Males...	28	3	1	2	3	6	4	.....	1	2	2	.....	4
	Females...	40	4	2	1	7	4	3	5	6	1	.....	3	4
Hancock.....	Totals...	290	23	23	23	23	17	28	28	30	27	18	28	22
	Males...	153	15	8	12	14	8	16	15	14	13	9	15	14
	Females...	137	8	15	11	9	9	12	13	16	14	9	13	8
Harbor Beach...	Totals...	38	1	5	1	2	2	4	4	3	4	1	5	6
	Males...	18	.....	2	.....	1	1	1	1	2	1	1	3	5
	Females...	20	1	3	1	1	1	3	3	1	3	.....	2	1
Harrison.....	Totals...	7	1	.....	1	.....	.....	1	2	2	.....	.....	.....	.....
	Males...	4	1	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....
	Females...	3	.....	.....	1	.....	.....	.....	1	1	.....	.....	.....	.....
Harrisville.....	Totals...	13	2	4	1	.....	1	.....	2	1	.....	.....	1	1
	Males...	4	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
	Females...	9	1	3	1	.....	.....	.....	1	1	.....	.....	1	1
Hastings.....	Totals...	69	3	8	5	4	4	7	9	6	8	4	3	8
	Males...	29	2	5	1	3	3	4	3	2	2	2	.....	2
	Females...	40	1	6	.....	3	1	4	5	3	6	2	3	6
Hillsdale.....	Totals...	83	5	7	4	12	9	7	6	7	8	6	5	7
	Males...	43	3	4	2	6	6	4	3	4	4	2	1	4
	Females...	40	2	3	2	6	3	3	3	3	4	4	4	3
Holland.....	Totals...	326	24	24	33	26	35	25	16	24	37	32	31	19
	Males...	171	11	9	18	16	19	17	5	12	18	13	19	14
	Females...	155	13	15	15	10	16	8	11	12	19	19	12	5
Hudson.....	Totals...	35	5	1	2	7	.....	3	1	2	2	1	5	6
	Males...	18	3	1	2	5	.....	2	.....	1	.....	1	1	2
	Females...	17	2	.....	.....	2	.....	1	1	1	2	.....	4	4
Ionia.....	Totals...	94	10	9	6	6	4	9	10	10	8	5	6	11
	Males...	44	4	3	3	4	.....	8	7	5	3	1	2	4
	Females...	50	6	6	3	2	4	1	3	5	5	4	4	7
Iron Mountain...	Totals...	229	25	16	19	8	25	20	24	14	24	19	23	12
	Males...	130	18	11	8	5	16	12	11	7	10	15	12	5
	Females...	99	7	5	11	3	9	8	13	7	14	4	11	7
Ironwood.....	Totals...	442	45	32	48	27	34	32	48	47	38	28	30	33
	Males...	244	23	22	28	13	19	19	31	23	19	16	12	19
	Females...	198	22	10	20	14	15	13	17	24	19	12	18	14

Table Ia.—Continued.—Births in cities of Michigan by months and sex, during the year 1911. (Still births excluded).

Cities.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Ishpeming.....	Totals...	356	35	26	29	37	33	26	31	32	29	29	25	24
	Males...	188	19	11	17	24	19	12	18	19	11	16	14	8
	Females...	168	16	15	12	13	14	14	13	13	18	13	11	16
Jackson.....	Totals...	586	41	30	56	43	51	51	54	60	45	38	55	62
	Males...	303	18	13	29	25	29	24	31	31	23	18	28	34
	Females...	283	23	17	27	18	22	27	23	29	22	20	27	28
Kalamazoo.....	Totals...	869	67	53	73	77	62	74	65	81	81	79	61	96
	Males...	466	33	31	36	45	31	37	37	49	34	42	36	55
	Females...	403	34	22	37	32	31	37	28	32	47	37	25	41
Lansing.....	Totals...	601	53	48	69	49	45	59	45	52	51	49	36	45
	Males...	309	26	16	32	31	26	25	25	25	26	31	20	25
	Females...	292	27	32	37	18	19	33	20	27	25	18	16	20
Lapeer.....	Totals...	58	5	5	8	4	4	3	6	3	3	8	4	5
	Males...	30	4	2	6	3	3	1	3	2	2	5	2	3
	Females...	28	1	3	3	1	4	2	3	3	1	3	2	2
Ludington.....	Totals...	223	18	15	28	22	23	20	11	29	14	13	14	16
	Males...	99	7	10	11	11	10	8	8	9	8	5	4	8
	Females...	124	11	5	17	11	13	12	3	20	6	8	10	8
McBain.....	Totals...	15	1	2	2	1	2	1	2	.....	.....	1	1	2
	Males...	10	.....	1	1	1	1	1	2	.....	.....	1	1	1
	Females...	5	1	1	1	.....	1	.....	.....	.....	.....	.....	.....	1
Mackinac Isl'd.	Totals...	10	1	1	2	1	.....	1	1	.....	1	1	.....	1
	Males...	3	.....	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....
	Females...	7	1	.....	1	1	.....	.....	1	.....	1	1	.....	1
Manistee.....	Totals...	275	27	27	26	30	23	21	18	19	21	20	22	21
	Males...	140	14	10	10	18	9	11	10	11	11	10	16	10
	Females...	135	13	17	16	12	14	10	8	8	10	10	6	11
Manistique.....	Totals...	134	13	12	12	12	12	10	14	7	18	9	5	10
	Males...	59	4	2	5	3	6	6	9	4	8	4	3	5
	Females...	75	9	10	7	9	6	4	5	3	10	5	2	5
Marine City...	Totals...	65	5	4	4	6	7	4	4	5	2	4	5	15
	Males...	38	4	2	2	5	5	1	1	3	1	3	3	8
	Females...	27	1	2	2	1	2	3	3	2	1	1	2	7
Marquette.....	Totals...	289	25	32	25	29	20	22	23	31	17	17	30	18
	Males...	158	14	17	15	18	14	12	14	12	11	7	15	9
	Females...	131	11	15	10	11	6	10	9	19	6	10	15	9
Marshall.....	Totals...	61	7	7	3	8	6	3	6	2	3	7	5	4
	Males...	28	1	6	3	4	3	1	2	1	1	3	2	1
	Females...	33	6	1	.....	4	3	2	4	1	2	4	3	3
Mason.....	Totals...	18	1	.....	.....	2	1	3	2	2	1	3	3	.....
	Males...	10	1	.....	.....	1	1	2	1	1	.....	1	2	.....
	Females...	8	.....	.....	.....	1	.....	1	1	1	1	2	1	.....
Menominee.....	Totals...	235	20	16	22	17	21	18	22	15	30	16	17	21
	Males...	123	12	9	12	4	11	9	12	7	18	7	9	15
	Females...	112	8	7	10	13	10	9	10	8	14	9	8	6
Midland.....	Totals...	46	4	4	2	5	4	5	4	2	3	4	3	6
	Males...	19	1	3	2	1	1	2	.....	1	.....	3	1	4
	Females...	27	3	1	.....	4	3	3	4	1	3	1	2	2
Monroe.....	Totals...	184	14	16	12	15	21	14	15	12	11	18	14	22
	Males...	92	6	7	4	7	13	7	4	6	8	10	9	11
	Females...	92	8	9	8	8	8	7	11	6	3	8	5	11
Mt. Clemens...	Totals...	177	25	14	20	6	14	13	10	18	19	11	18	9
	Males...	93	13	8	12	4	7	6	4	9	9	7	11	3
	Females...	84	12	6	8	2	7	7	6	9	10	4	7	6

Table Ia.—Continued.—Births in cities of Michigan by months and sex, during the year 1911. (Stillbirths excluded).

Cities.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Mt. Pleasant...	Totals...	72	7	5	5	6	6	6	9	8	8	5	4	3
	Males...	41	4	3	1	5	4	2	4	6	4	4	3	1
	Females...	31	3	2	4	1	2	4	5	2	4	1	1	2
Muskegon.....	Totals...	603	40	46	54	54	56	43	49	63	59	54	41	44
	Males...	310	17	26	30	33	27	16	26	30	38	27	22	18
	Females...	293	23	20	24	21	29	27	23	33	21	27	19	26
Muskegon Hts.	Totals...	49	2	3	4	2	3	7	3	4	5	7	3	6
	Males...	24	1	1	1	2	2	4	2	2	3	5	1	3
	Females...	25	2	2	3	2	1	3	1	2	2	2	2	3
Negaunee.....	Totals...	281	20	20	24	28	25	35	25	30	16	16	17	25
	Males...	136	8	11	13	14	10	16	11	16	8	9	5	15
	Females...	145	12	9	11	14	15	19	14	14	8	7	12	10
Niles.....	Totals...	102	12	7	5	6	9	13	9	3	13	15	6	4
	Males...	57	7	2	3	3	3	8	5	1	6	12	5	2
	Females...	45	5	5	2	3	6	5	4	2	7	3	1	2
No. Muskegon.	Totals...	6	1	1	1	1	1	1	1	2	1	1	1	1
	Males...	4	1	1	1	1	1	1	1	2	1	1	1	1
	Females...	2	1	1	1	1	1	1	1	2	1	1	1	1
Norway.....	Totals...	144	9	13	15	15	9	14	9	8	12	13	18	9
	Males...	71	5	5	9	7	3	9	4	3	7	6	8	5
	Females...	73	4	8	6	8	6	5	5	5	5	7	10	4
Omer.....	Totals...	10	1	1	1	1	2	2	3	3	1	1	1	1
	Males...	4	1	1	1	1	1	1	1	1	1	1	1	1
	Females...	6	1	1	1	1	1	1	2	2	2	2	2	2
Onaway.....	Totals...	130	3	14	16	14	6	11	9	14	14	10	4	15
	Males...	69	1	5	13	5	4	7	5	9	5	3	3	9
	Females...	61	2	9	3	9	2	4	4	5	9	7	1	6
Owosso.....	Totals...	212	16	18	16	21	19	10	23	23	15	15	15	21
	Males...	99	7	10	8	8	11	5	16	11	4	5	7	7
	Females...	113	9	8	8	13	8	5	7	12	11	10	8	14
Petoskey.....	Totals...	96	5	10	9	9	10	7	7	12	14	5	4	4
	Males...	45	5	3	1	4	3	2	2	9	8	4	4	4
	Females...	51	1	7	8	5	7	5	5	3	6	1	1	4
Pontiac.....	Totals...	337	35	27	32	22	18	33	28	31	37	30	22	22
	Males...	179	19	16	19	12	10	14	18	16	16	18	11	10
	Females...	158	16	11	13	10	8	19	10	15	21	12	11	12
Port Huron...	Totals...	368	28	26	35	22	28	32	36	30	33	34	32	32
	Males...	192	14	16	18	13	12	19	12	13	16	21	18	20
	Females...	176	14	10	17	9	16	13	24	17	17	13	14	12
Rose City.....	Totals...	12	1	3	3	1	1	1	1	1	1	1	1	1
	Males...	6	1	1	1	1	1	1	1	1	1	1	1	1
	Females...	6	1	2	2	1	1	1	1	1	1	1	1	1
St. Clair.....	Totals...	51	6	5	2	4	4	8	4	4	4	3	3	4
	Males...	29	3	1	2	2	2	3	2	3	3	3	2	3
	Females...	22	3	4	2	2	2	5	2	1	1	1	1	1
St. Ignace.....	Totals...	56	11	7	5	5	3	2	4	2	2	6	5	4
	Males...	36	9	3	4	3	3	1	1	2	1	5	2	3
	Females...	20	2	4	1	2	2	2	3	1	1	1	3	1
St. Johns.....	Totals...	43	6	6	2	2	1	4	3	3	5	4	1	6
	Males...	25	4	3	1	2	1	2	2	2	1	3	1	3
	Females...	18	2	3	1	1	1	2	1	1	4	1	1	3
St. Joseph.....	Totals...	122	8	5	10	6	16	6	11	14	14	12	14	6
	Males...	57	5	1	6	2	7	4	6	7	4	5	8	2
	Females...	65	3	4	4	4	9	2	5	7	10	7	6	4

Table Ia.—Concluded.—Births in cities of Michigan by months and sex, during the year 1911. (Stillbirths excluded).

Cities.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
St. Louis.....	Totals...	38	6	3	1	4	3	2	4	3	2	3	1	6
	Males...	16	5	1	1	3	1	1	1	1	1	2	1	2
	Females...	22	1	3	1	1	2	2	4	2	1	1	1	4
Saginaw.....	Totals...	942	80	70	71	76	68	78	96	67	72	78	78	108
	Males...	515	47	41	41	37	35	42	59	35	40	50	36	52
	Females...	427	33	29	30	39	33	36	37	32	32	28	42	56
Sandusky.....	Totals...	18	4	1	2	1	1	1	1	1	1	2	2	3
	Males...	9	3	1	2	1	1	1	1	1	1	1	1	1
	Females...	9	1	1	1	1	1	1	1	1	1	1	1	3
Sault Ste. Marie	Totals...	322	18	32	32	19	32	25	26	32	30	18	20	38
	Males...	173	6	16	13	7	22	15	18	18	17	11	11	19
	Females...	149	12	16	19	12	10	10	8	14	13	7	9	19
Scottville.....	Totals...	20	2	1	2	1	1	2	3	4	2	1	1	1
	Males...	12	2	1	1	1	1	1	1	3	2	1	1	1
	Females...	8	1	1	1	1	1	1	2	1	1	1	1	1
South Haven...	Totals...	53	5	3	3	2	8	7	4	3	6	1	5	6
	Males...	20	1	2	1	1	2	3	2	2	3	1	3	1
	Females...	33	4	1	3	1	6	4	2	1	3	1	2	5
Standish.....	Totals...	10	2	1	2	2	1	1	1	1	1	1	1	1
	Males...	7	2	1	1	2	1	1	1	1	1	1	1	1
	Females...	3	1	1	1	1	1	1	1	1	1	1	1	1
Stanton.....	Totals...	19	1	1	4	1	1	1	1	4	1	3	2	1
	Males...	8	1	1	1	1	1	1	1	2	1	1	2	1
	Females...	11	1	1	3	1	1	1	1	2	1	2	1	1
Sturgis.....	Totals...	86	10	10	7	7	3	5	4	8	10	9	6	7
	Males...	43	4	6	2	5	2	2	3	6	4	5	2	2
	Females...	43	6	4	5	2	1	3	1	2	6	4	4	5
Tawas City....	Totals...	17	1	1	1	3	4	1	1	1	1	2	2	1
	Males...	9	1	1	1	1	3	1	1	1	1	1	2	1
	Females...	8	1	1	2	2	1	1	1	1	1	1	1	1
Three Rivers...	Totals...	81	8	6	8	9	9	6	7	2	9	7	5	5
	Males...	33	2	2	2	4	6	3	2	1	4	2	3	2
	Females...	48	6	4	6	5	3	3	5	1	5	5	2	3
Traverse City..	Totals...	187	17	16	21	15	17	21	17	12	14	13	13	11
	Males...	104	9	10	11	8	7	15	11	8	6	6	6	7
	Females...	83	8	6	10	7	10	6	6	4	8	7	7	4
West Branch...	Totals...	19	2	2	2	1	2	1	2	1	3	2	2	1
	Males...	15	2	2	2	1	1	1	2	1	1	1	2	1
	Females...	4	1	1	1	1	1	1	1	1	2	1	1	1
Whittemore....	Totals...	6	1	2	1	1	1	1	1	1	1	1	1	1
	Males...	4	1	1	1	1	1	1	1	1	1	1	1	1
	Females...	2	1	1	1	1	1	1	1	1	1	1	1	1
Wyandotte.....	Totals...	279	24	27	26	23	20	21	30	21	24	20	27	16
	Males...	158	11	17	15	12	12	10	14	16	15	14	16	6
	Females...	121	13	10	11	11	8	11	16	5	9	6	11	10
Yale.....	Totals...	29	3	4	2	2	3	1	3	6	2	1	1	2
	Males...	17	1	3	1	2	2	1	2	3	1	1	1	2
	Females...	12	2	1	1	1	1	1	1	3	2	1	1	1
Ypsilanti.....	Totals...	88	5	9	5	6	13	3	9	11	7	5	7	8
	Males...	42	4	1	4	2	5	2	2	7	5	1	4	5
	Females...	46	1	8	1	4	8	1	7	4	2	4	3	3
Zeeland.....	Totals...	57	6	5	4	4	7	4	8	4	6	2	5	2
	Males...	25	4	3	2	1	1	2	6	4	3	2	2	1
	Females...	32	2	2	2	3	6	2	2	4	3	2	3	1

Table II.—Births in Michigan, by nativity of parents, counties and sex, for the year 1911. (Stillbirths excluded).

State and Counties.	Sex.	Children born in 1911.	Nativity of parents of children born in 1911.								Both unknown.
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown.		Father unknown.		
							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
STATE.....	{ Totals... Males... Females...	65,756 34,013 31,743	37,674 19,481 18,193	15,866 8,204 7,662	7,370 3,883 3,487	4,060 2,036 2,024	37 19 18	19 13 6	457 231 226	80 43 37	193 103 90
Alcona.....	{ Totals... Males... Females...	152 80 72	86 47 39	18 9 9	25 11 14	21 12 9		1 1 1	1 1 1		
Alger.....	{ Totals... Males... Females...	171 94 77	46 27 19	82 46 36	30 17 13	12 4 8			1 1 1		
Allegan.....	{ Totals... Males... Females...	747 371 376	615 309 306	46 20 26	50 26 24	32 14 18	2 2		2 2		
Alpena.....	{ Totals... Males... Females...	368 190 178	184 93 91	70 33 37	76 44 32	36 19 17			2 1 1		
Antrim.....	{ Totals... Males... Females...	348 183 165	242 112 130	47 31 16	37 25 12	16 11 5	3 2 1		3 2 1		
Arenac.....	{ Totals... Males... Females...	219 124 95	110 64 46	44 25 19	43 26 17	20 8 12			2 1 1		
Baraga.....	{ Totals... Males... Females...	86 51 35	15 8 7	56 36 20	13 6 7	2 1 1					
Barry.....	{ Totals... Males... Females...	472 225 247	438 210 228	5 1 4	17 7 10	10 5 5			2 2		
Bay.....	{ Totals... Males... Females...	1,606 831 775	917 477 440	285 140 145	262 149 113	132 61 71	2 1 1	2 1 1	5 1 4	1 1	
Benzie.....	{ Totals... Males... Females...	228 125 103	182 98 84	20 11 9	13 9 4	11 6 5			2 1 1		
Berrien.....	{ Totals... Males... Females...	953 491 462	682 353 329	167 86 81	58 30 28	42 20 22	1 1		1 1		2 2
Branch.....	{ Totals... Males... Females...	411 217 194	378 199 179	11 8 3	13 5 8	5 3 2			4 2 2		
Calhoun.....	{ Totals... Males... Females...	1,097 557 540	910 455 455	68 36 32	61 36 25	44 21 23	2 2		9 6 3	2 2	1 1
Cass.....	{ Totals... Males... Females...	382 209 173	344 188 156	22 13 9	10 5 5	5 2 3			1 1		
Charlevoix.....	{ Totals... Males... Females...	417 226 191	313 173 140	31 17 14	45 24 21	24 10 14			3 2 1	1 1	
Cheboygan.....	{ Totals... Males... Females...	434 218 216	262 134 128	46 23 23	80 35 45	42 26 16	1 1		1 1 1	1 1	1 1

Table II.—Continued.—Births in Michigan, by nativity of parents, counties and sex, for the year 1911. (Stillbirths excluded).

Counties.	Sex.	Children born in 1911.	Nativity of parents of children born in 1911.								Both unknown.
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown.		Father unknown.		
							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Chippewa.....	Totals...	619	163	255	125	71			4		1
	Males...	331	92	131	65	41			2		
	Females...	288	71	124	60	30			2		
Clare.....	Totals...	199	155	8	21	10	1		3	1	
	Males...	119	96	4	10	5			3	1	
	Females...	80	59	4	11	5	1				
Clinton.....	Totals...	446	397	13	21	12			3		
	Males...	237	211	5	12	7			2		
	Females...	209	186	8	9	5			1		
Crawford.....	Totals...	98	62	14	14	7			1		
	Males...	56	38	6	8	3			1		
	Females...	42	24	8	6	4					
Delta.....	Totals...	812	318	279	155	53		1	4	1	1
	Males...	429	170	147	83	25		1	1	1	1
	Females...	383	148	132	72	28			3		
Dickinson.....	Totals...	549	83	357	84	21			3	1	
	Males...	290	42	197	38	11			1	1	
	Females...	259	41	160	46	10			2		
Eaton.....	Totals...	560	506	15	23	7	4		5		
	Males...	283	258	5	13	3	2		2		
	Females...	277	248	10	10	4	2		3		
Emmet.....	Totals...	412	306	33	45	24			3		1
	Males...	210	157	17	23	10			2		1
	Females...	202	149	16	22	14			1		
Genesee.....	Totals...	1,360	1,030	132	116	73	2		7		
	Males...	703	518	70	66	44	2		3		
	Females...	657	512	62	50	29			4		
Gladwin.....	Totals...	225	146	31	29	16			3		
	Males...	122	83	16	17	6					
	Females...	103	63	15	12	10			3		
Gogebic.....	Totals...	856	77	685	69	23			1	1	
	Males...	467	44	369	39	14			1		
	Females...	389	33	316	30	9				1	
Grand Traverse.....	Totals...	451	362	14	49	21	1		4		
	Males...	231	182	8	30	10			1		
	Females...	220	180	6	19	11	1		3		
Graftiot.....	Totals...	683	592	26	36	21	1		6	1	
	Males...	336	293	15	15	8	1		4		
	Females...	347	299	11	21	13			2	1	
Hillsdale.....	Totals...	498	475	5	8	6			4		
	Males...	241	234	1	2	1			3		
	Females...	257	241	4	6	5			1		
Houghton.....	Totals...	2,715	597	1,598	300	118	1	1	7	3	
	Males...	1,464	320	850	224	64	1	1	2	2	
	Females...	1,251	277	748	166	54			5	1	
Huron.....	Totals...	945	476	198	159	104			7	1	
	Males...	490	253	99	81	52			4	1	
	Females...	455	223	99	78	52			3		
Ingham.....	Totals...	996	810	91	52	36	2		4		1
	Males...	514	418	42	29	21	1		3		
	Females...	482	392	49	23	15	1		1		1

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							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Ionia	Totals...	645	562	27	26	18	3		7	2	
	Males...	319	281	7	11	11	2		6	1	
	Females...	326	281	20	15	7	1		1	1	
Iosco	Totals...	208	134	25	32	14			3		
	Males...	114	80	7	17	7			3		
	Females...	94	54	18	15	7					
Iron	Totals...	488	116	292	54	25			1		
	Males...	254	59	152	28	14			1		
	Females...	234	57	140	26	11					
Isabella	Totals...	572	463	28	49	26			4		1
	Males...	296	242	9	28	12	1		3		1
	Females...	276	221	19	21	14			1		
Jackson	Totals...	985	792	81	55	46			11		
	Males...	522	423	40	28	26			5		
	Females...	463	369	41	27	20			6		
Kalamazoo	Totals...	1,248	864	212	93	61			15	3	
	Males...	676	472	109	56	33			5	1	
	Females...	572	392	103	37	28			10	2	
Kalkaska	Totals...	188	158	7	15	8					
	Males...	105	88	6	6	5					
	Females...	83	70	1	9	3					
Kent	Totals...	3,667	1,958	976	406	227					
	Males...	1,887	1,040	486	207	102			88	4	
	Females...	1,780	918	490	199	125		3	41	5	
Keweenaw	Totals...	340	63	217	48	11			1		
	Males...	166	28	112	20	5			1		
	Females...	174	35	105	28	6					
Lake	Totals...	104	73	15	12	4					
	Males...	62	42	10	9	1					
	Females...	42	31	5	3	3					
Lapeer	Totals...	550	425	31	54	34	1		5		
	Males...	298	236	14	30	15			3		
	Females...	252	189	17	24	19	1		2		
Leelanau	Totals...	255	178	25	30	19	1		2		
	Males...	137	95	15	14	10	1		2		
	Females...	118	83	10	16	9					
Lenawee	Totals...	841	744	31	35	29			2		
	Males...	421	376	15	12	17			1		
	Females...	420	368	16	23	12			1		
Livingston	Totals...	326	285	10	16	14			1		
	Males...	164	144	6	9	5					
	Females...	162	141	4	7	9			1		
Luce	Totals...	99	35	43	17	1			1	1	1
	Males...	57	19	23	11	1			1	1	1
	Females...	42	16	20	6						
Mackinac	Totals...	218	114	49	36	18			1		
	Males...	111	59	23	19	9			1		
	Females...	107	55	26	17	9					
Macomb	Totals...	694	533	55	62	43			1		
	Males...	366	292	24	30	19			1		
	Females...	328	241	31	32	24					

Table II.—Continued.—Births in Michigan, by nativity of parents, counties and sex, for the year 1911. (Stillbirths excluded).

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							Father—		Mother—				
							Native.	Foreign.	Native.	Foreign.			
Manistee.....	Totals...	603	327	129	99	44			4				
	Males...	306	157	65	55	27			2				
	Females...	297	170	64	44	17			2				
Marquette.....	Totals...	1,388	378	710	218	71			5	5	1	1	
	Males...	718	206	351	121	33			3	3	1	1	
	Females...	670	172	359	97	38			2	2			
Mason.....	Totals...	485	299	89	70	26			1				
	Males...	231	140	42	32	16			1				
	Females...	254	159	47	38	10							
Mecosta.....	Totals...	412	328	20	39	21			4				
	Males...	204	160	10	19	13			2				
	Females...	208	168	10	20	8			2				
Menominee.....	Totals...	572	273	157	96	38			6	1	1	1	
	Males...	306	146	80	54	23			2	1			
	Females...	266	127	77	42	15			4		1	1	
Midland.....	Totals...	328	242	35	36	13			2				
	Males...	169	123	17	22	7							
	Females...	159	119	18	14	6			2				
Missaukee.....	Totals...	296	191	45	40	19			1				
	Males...	171	114	22	22	12			1				
	Females...	125	77	23	18	7							
Monroe.....	Totals...	670	591	30	28	15	1		5				
	Males...	339	297	16	19	5			2				
	Females...	331	294	14	9	10	1		3				
Montcalm.....	Totals...	610	501	27	50	28	1		3				
	Males...	303	246	16	24	14	1		2				
	Females...	307	255	11	26	14			1				
Montmorency.....	Totals...	99	65	9	16	7			2				
	Males...	56	36	3	11	4			2				
	Females...	43	29	6	5	3							
Muskegon.....	Totals...	939	564	161	116	88			6	4			
	Males...	476	283	83	59	46			5				
	Females...	463	281	78	57	42			1	4			
Newaygo.....	Totals...	416	329	31	37	18			1				
	Males...	222	173	20	19	9			1				
	Females...	194	156	11	18	9							
Oakland.....	Totals...	888	634	82	101	68		1	2				
	Males...	454	332	39	48	34		1					
	Females...	434	302	43	53	34			2				
Oceana.....	Totals...	418	317	29	44	24			4				
	Males...	208	157	15	23	12			1				
	Females...	210	160	14	21	12			3				
Ogemaw.....	Totals...	201	132	20	35	11			3				
	Males...	109	74	8	20	5			2				
	Females...	92	58	12	15	6			1				
Ontonagon.....	Totals...	299	83	169	31	15			1				
	Males...	147	45	78	16	7			1				
	Females...	152	38	91	15	8							
Osceola.....	Totals...	418	309	36	55	16			2				
	Males...	197	148	13	29	7							
	Females...	221	161	23	26	9			2				

Table II.—Concluded.—Births in Michigan, by nativity of parents, counties and sex, for the year 1911. (Stillbirths excluded).

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							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Oscoda.....	Totals...	55	47	2	5	1					
	Males...	24	22	1	1						
	Females...	31	25	1	4	1					
Otsego.....	Totals...	139	67	39	23	10					
	Males...	62	30	16	11	5					
	Females...	77	37	23	12	5					
Ottawa.....	Totals...	1,155	728	196	142	84			4	1	
	Males...	587	370	105	71	38			2	1	
	Females...	568	358	91	71	46			2		
Presque Isle.....	Totals...	362	226	38	69	26			2	1	
	Males...	182	112	22	33	13			2		
	Females...	180	114	16	36	13				1	
Roscommon.....	Totals...	48	35	8	2	3					
	Males...	27	18	6	1	2					
	Females...	21	17	2	1	1					
Saginaw.....	Totals...	1,687	1,075	280	215	104	1	1	9		2
	Males...	902	563	151	124	56	1	1	5		1
	Females...	785	512	129	91	48			4		1
St. Clair.....	Totals...	945	581	113	142	106			1	1	1
	Males...	501	306	62	75	57				1	
	Females...	444	275	51	67	49			1		1
St. Joseph.....	Totals...	416	377	9	19	11					
	Males...	202	184	4	7	7					
	Females...	214	193	5	12	4					
Sanilac.....	Totals...	918	510	128	188	90			2		
	Males...	473	279	63	84	46			1		
	Females...	445	231	65	104	44			1		
Schoolcraft.....	Totals...	229	86	82	42	18				1	
	Males...	111	40	42	17	12					
	Females...	118	46	40	25	6				1	
Shiawassee.....	Totals...	683	539	54	53	34			3		
	Males...	319	251	22	28	17			1		
	Females...	364	288	32	25	17			2		
Tuscola.....	Totals...	851	587	103	99	58		1	3		
	Males...	393	273	46	40	30		1	3		
	Females...	458	314	57	59	28					
Van Buren.....	Totals...	577	518	24	13	19			3		
	Males...	313	283	12	10	7			1		
	Females...	264	235	12	3	12			2		
Washtenaw.....	Totals...	816	637	52	57	46		1	22	1	
	Males...	415	321	29	29	21		1	14		
	Females...	401	316	23	28	25			8	1	
Wayne.....	Totals...	15,385	5,931	6,016	1,889	1,221	4	7	103	36	178
	Males...	7,944	3,043	3,149	996	596	2	5	38	21	94
	Females...	7,441	2,888	2,867	893	625	2	2	65	15	84
Wexford.....	Totals...	505	391	47	32	32	1		2		
	Males...	272	217	21	18	15	1				
	Females...	233	174	26	14	17			2		

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							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
ALL CITIES.....	Totals... Males... Females.	32,992 16,957 16,035	16,183 8,323 7,860	9,967 5,100 4,867	3,946 2,072 1,874	2,317 1,167 1,150	18 10 8	15 10 5	298 143 155	63 34 29	185 98 87
Adrian.....	Totals... Males... Females.	156 74 82	137 63 74	4 3 1	9 5 4	6 3 3					
Albion.....	Totals... Males... Females.	134 61 73	101 44 57	16 9 7	12 6 6	5 2 3					
Allegan.....	Totals... Males... Females.	50 22 28	46 20 26	2 2 2	2 2						
Alma.....	Totals... Males... Females.	66 32 34	50 26 24	4 2 2	8 3 5	3 1 2				1 1	
Alpena.....	Totals... Males... Females.	233 118 115	120 62 58	40 18 22	49 26 23	24 12					
Ann Arbor.....	Totals... Males... Females.	335 166 169	243 121 122	26 14 12	22 9 13	20 7 13		1 1	22 14 8	1 1	
Au Gres.....	Totals... Males... Females.	6 5 1	3 3 1	1 1	1 1	1 1					
Au Sable.....	Totals... Males... Females.	8 4 4	5 3 2	1 1	2 1 1						
Bad Axe.....	Totals... Males... Females.	25 12 13	13 6 7	4 1 3	6 4 2	2 1 1					
Bay City.....	Totals... Males... Females.	1,050 530 520	583 299 284	184 89 95	183 97 86	92 42 50	1 1	2 1	4 1 3	1 1	
Battle Creek.....	Totals... Males... Females.	487 249 238	387 188 199	37 21 16	30 19 11	24 13 11			6 5 1	2 2	1 1
Beaverton.....	Totals... Males... Females.	15 10 5	14 10 4			1 1					
Belding.....	Totals... Males... Females.	69 31 38	63 29 34	1 1	3 2	1 1			1 1		
Benton Harbor.....	Totals... Males... Females.	111 52 59	86 43 43	14 3 11	6 4 2	4 2 2	1 1				
Bessemer.....	Totals... Males... Females.	150 80 70	15 8 7	120 62 58	10 7 3	5 3 2					

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							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Big Rapids.....	Totals... Males... Females...	82 41 41	59 29 30	7 4 3	10 4 6	4 3 1			2 1 1		
Boyne City.....	Totals... Males... Females...	156 88 68	120 69 51	10 6 4	16 7 9	10 6 4					
Brown City.....	Totals... Males... Females...	26 12 14	16 8 8	3 1 2	5 2 3	2 1 1					
Cadillac.....	Totals... Males... Females...	227 123 104	155 86 69	35 17 18	18 11 7	18 9 9			1 1		
Charlevoix.....	Totals... Males... Females...	50 24 26	37 18 19	4 3 1	6 3 3	2 3 2				1 1	
Charlotte.....	Totals... Males... Females...	67 35 32	58 28 30		5 4 1	2 1 1	1 1		1 1		
Cheboygan.....	Totals... Males... Females...	176 92 84	104 59 45	26 14 12	32 11 21	12 8 4			1 1	1 1	
Clare.....	Totals... Males... Females...	25 11 14	19 7 12		2 1 1	2 1 1			2 2		
Coleman.....	Totals... Males... Females...	5 3 2	3 2 1		2 1 1						
Coldwater.....	Totals... Males... Females...	91 49 42	84 47 37	2 1 1	3				2 1 1		
Corunna.....	Totals... Males... Females...	28 13 15	21 9 12	4 1 3	1 1	2 2					
Croswell.....	Totals... Males... Females...	34 17 17	16 9 7	6 2 4	5 2 2	7 3 4					
Crystal Falls.....	Totals... Males... Females...	94 48 46	26 15 11	55 27 28	7 1 6	6 5 1					
Detroit.....	Totals... Males... Females...	13,668 7,025 6,643	5,103 2,614 2,489	5,526 2,863 2,663	1,646 864 782	1,076 528 548	3 2 1	7 5 2	97 35 62	32 20 12	178 94 84
Dowagiac.....	Totals... Males... Females...	119 63 56	91 47 44	21 12 9	5 3 2	1 1			1 1		
East Jordan.....	Totals... Males... Females...	42 19 23	26 12 14	3 1 2	7 4 3	4 1 3			2 1 1		

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							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
East Lansing	{ Totals... Males... Females...	18 9 9	12 6 6	3 1 2	2 1 1	1 1 1					
East Tawas	{ Totals... Males... Females...	30 14 16	16 8 8	4 ... 4	5 2 3	4 3 1			1 1 1		
Eaton Rapids	{ Totals... Males... Females...	18 8 10	17 8 9						1 1 1		
Escanaba	{ Totals... Males... Females...	321 174 147	129 72 57	110 58 52	62 33 29	16 8 8			2 1 1	1 1 1	
Flint	{ Totals... Males... Females...	808 414 394	579 287 292	100 53 47	79 43 36	45 27 18	2 2		3 2 1		
Gladstone	{ Totals... Males... Females...	158 77 81	56 26 30	64 32 32	24 13 11	14 6 8					
Gladwin	{ Totals... Males... Females...	22 10 12	17 8 9	2 ... 2	2 2 ...				1 1 1		
Grand Haven	{ Totals... Males... Females...	141 69 72	92 46 46	19 11 8	19 8 11	11 4 7					
Grand Ledge	{ Totals... Males... Females...	60 34 26	50 29 21	2 ... 2	4 3 1	2 1 1			2 1 1		
Grand Rapids	{ Totals... Males... Females...	2,770 1,391 1,379	1,323 680 643	852 423 429	329 161 168	172 81 91		3 1 2	82 41 41	9 4 5	
Greenville	{ Totals... Males... Females...	68 28 40	56 24 32	3 1 2	4 1 3	5 2 3					
Hancock	{ Totals... Males... Females...	290 153 137	84 52 32	156 73 83	31 17 14	17 9 8	1 1		1 1 1		
Harbor Beach	{ Totals... Males... Females...	38 18 20	25 14 11	3 1 2	6 2 4	4 1 3					
Harrison	{ Totals... Males... Females...	7 4 3	7 4 3								
Harrisville	{ Totals... Males... Females...	13 4 9	8 3 5		3 ... 3	1 ... 1			1 1 1		
Hastings	{ Totals... Males... Females...	69 29 40	62 26 36		5 2 3	2 1 1					
Hillsdale	{ Totals... Males... Females...	83 43 40	74 42 32	3 ... 3	2 1 1	3 ... 3			1 ... 1		

Table IIa.—Continued.—Births in cities of Michigan, by nativity of parents and sex, for year 1911. (Stillbirths excluded).

Cities.	Sex.	Children born in 1911.	Nativity of parents of children born in 1911.								Both unknown.
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown.		Father unknown.		
							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Holland	Totals...	326	190	68	44	24					
	Males...	171	97	37	24	13					
	Females...	155	93	31	20	11					
Hudson	Totals...	35	33	2							
	Males...	18	16	2							
	Females...	17	17								
Ionia	Totals...	94	74	10	4	6					
	Males...	44	39	1	1	3					
	Females...	50	35	9	3	3					
Iron Mountain	Totals...	229	38	152	29	9			1		
	Males...	130	16	92	16	5			1		
	Females...	99	22	60	13	4					
Ironwood	Totals...	442	46	346	36	12			1	1	
	Males...	244	25	194	19	5			1		
	Females...	198	21	152	17	7				1	
Ishpeming	Totals...	356	98	168	65	20			1	3	
	Males...	188	53	81	42	9				2	
	Females...	168	45	87	23	11			1	1	
Jackson	Totals...	586	433	70	38	38			7		
	Males...	303	228	36	16	20			3		
	Females...	283	205	34	22	18			4		
Kalamazoo	Totals...	869	568	165	74	48			12	2	
	Males...	466	307	86	40	27			5	1	
	Females...	403	261	79	34	21			7	1	
Lansing	Totals...	601	454	79	32	30	2		4		
	Males...	309	231	37	19	18	1		3		
	Females...	292	223	42	13	12	1		1		
Lapeer	Totals...	58	45	4	2	5			2		
	Males...	30	25	1	1	3					
	Females...	28	20	3	1	2			2		
Ludington	Totals...	223	120	54	33	16					
	Males...	99	52	23	13	11					
	Females...	124	68	31	20	5					
McBain	Totals...	15	11	1	3						
	Males...	10	8	1	1						
	Females...	5	3		2						
Mackinac Island	Totals...	10	6			4					
	Males...	3	2			1					
	Females...	7	4			3					
Manistee	Totals...	275	133	58	59	24			1		
	Males...	140	65	30	30	15					
	Females...	135	68	28	29	9			1		
Manistique	Totals...	134	45	54	25	9				1	
	Males...	59	19	24	11	5					
	Females...	75	26	30	14	4				1	
Marine City	Totals...	65	40	2	13	9				1	
	Males...	38	23	1	7	6				1	
	Females...	27	17	1	6	3					
Marquette	Totals...	289	115	110	47	16			1		
	Males...	158	60	62	25	10			1		
	Females...	131	55	48	22	6					

Table IIIa.—Continued.—Births in cities of Michigan, by nativity of parents and sex, for year 1911.
(Stillbirths excluded).

Cities.	Sex.	Children born in 1911.	Nativity of parents of children born in 1911.								Both unknown.
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown.		Father unknown.		
							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Marshall.....	Totals...	61	52	3	4	1		1			
	Males...	28	26		2						
	Females...	33	26	3	2	1		1			
Mason.....	Totals...	18	16		2						
	Males...	10	9		1						
	Females...	8	7		1						
Menominee.....	Totals...	235	122	56	37	18			2		
	Males...	123	59	32	19	12			1		
	Females...	112	63	24	18	6			1		
Midland.....	Totals...	46	35	3	5	3					
	Males...	19	14	1	4						
	Females...	27	21	2	1	3					
Monroe.....	Totals...	184	157	14	9	3	1				
	Males...	92	78	6	7	1					
	Females...	92	79	8	2	2	1				
Mt. Clemens.....	Totals...	177	130	26	10	11					
	Males...	93	71	12	4	6					
	Females...	84	59	14	6	5					
Mt. Pleasant.....	Totals...	72	57	3	7	4			1		
	Males...	41	34		5	1			1		
	Females...	31	23	3	2	3					
Muskegon.....	Totals...	603	350	111	76	59			4	3	
	Males...	310	184	56	37	30			3		
	Females...	293	166	55	39	29			1	3	
Muskegon Heights.....	Totals...	49	21	19	7	2					
	Males...	24	10	10	4						
	Females...	25	11	9	3	2					
Negaunee.....	Totals...	281	57	161	48	12			2	1	
	Males...	136	32	74	23	6			1		
	Females...	145	25	87	25	6			1	1	
Niles.....	Totals...	102	90	2	5	5					
	Males...	57	50	2	4	1					
	Females...	45	40		1	4					
North Muskegon.....	Totals...	6	4		1	1					
	Males...	4	3		1						
	Females...	2	1			1					
Norway.....	Totals...	144	16	102	21	3			1	1	
	Males...	71	9	50	9	2				1	
	Females...	73	7	52	12	1			1		
Omer.....	Totals...	10	7	2	1						
	Males...	4	2	1	1						
	Females...	6	5	1							
Onaway.....	Totals...	130	78	12	26	12			1	1	
	Males...	69	43	7	12	6			1		
	Females...	61	35	5	14	6				1	
Owosso.....	Totals...	212	154	19	22	15			2		
	Males...	99	78	5	10	5			1		
	Females...	113	76	14	12	10			1		
Petokey.....	Totals...	96	69	7	10	8			2		
	Males...	45	31	2	6	5			1		
	Females...	51	38	5	4	3			1		

Table IIa.—Continued.—Births in cities of Michigan, by nativity of parents and sex, for year 1911. (Stillbirths excluded).

Cities.	Sex.	Children born in 1911.	Nativity of parents of children born in 1911.								Both unknown.
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown.		Father unknown.		
							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Pontiac.....	{ Totals... Males... Females...	337 179 158	228 126 102	42 18 24	36 16 20	30 18 12		1 1			
Port Huron.....	{ Totals... Males... Females...	368 192 176	181 91 90	63 32 31	63 37 26	60 32 28				1 1	
Rose City.....	{ Totals... Males... Females...	12 6 6	10 6 4			2 2		1			
St. Clair.....	{ Totals... Males... Females...	51 29 22	31 18 13	6 3 3	10 7 3	4 1 3					
St. Ignace.....	{ Totals... Males... Females...	56 36 20	35 22 13	7 4 3	10 7 3	3 2 1			1 1		
St. Johns.....	{ Totals... Males... Females...	43 25 18	36 22 14	1 2 1	3 1 2	2 1 1			1 1		
St. Joseph.....	{ Totals... Males... Females...	122 57 65	63 31 32	40 16 24	13 6 7	5 3 2				1 1	
St. Louis.....	{ Totals... Males... Females...	38 16 22	26 12 14	2 2	6 3 3	3 3	1 1				
Saginaw.....	{ Totals... Males... Females...	942 515 427	585 311 274	151 80 71	135 84 51	60 34 26	1 1	1 1	8 4	1 1	
Sandusky.....	{ Totals... Males... Females...	18 9 9	11 6 5	2 2	3 3	2 1					
Sault Ste. Marie.....	{ Totals... Males... Females...	322 173 149	74 45 29	137 68 69	68 33 35	43 27 16					
Scottville.....	{ Totals... Males... Females...	20 12 8	18 11 7		2 1 1						
South Haven.....	{ Totals... Males... Females...	53 20 33	43 17 26	5 5	3 2 1	2 1					
Standish.....	{ Totals... Males... Females...	10 7 3	3 2 1	2 1 1	4 3 1	1 1					
Stanton.....	{ Totals... Males... Females...	19 8 11	17 6 11	1 1			1 1				
Sturgis.....	{ Totals... Males... Females...	86 43 43	79 39 40	2 1 1	5 3 2						
Tawas City.....	{ Totals... Males... Females...	17 9 8	9 5 4	4 2 2	4 2 2						

Table IIa.—Concluded.—Births in cities of Michigan, by nativity of parents and sex, for year 1911.
(Stillbirths excluded).

Cities.	Sex.	Children born in 1911.	Nativity of parents of children born in 1911.								Both unknown.
			Both native born.	Both foreign born.	Foreign father and native mother.	Foreign mother and native father.	Mother unknown.		Father unknown.		
							Father—		Mother—		
							Native.	Foreign.	Native.	Foreign.	
Three Rivers	{ Totals...	81	70	3	6	2					
	{ Males...	33	29		3	1					
	{ Females...	48	41	3	3	1					
Traverse City.....	{ Totals...	187	148	7	18	11	1		2		
	{ Males...	104	81	4	12	6			1		
	{ Females...	83	67	3	6	5	1		1		
West Branch	{ Totals...	19	11	2	5	1					
	{ Males...	15	8	2	4	1					
	{ Females...	4	3		1						
Whittemore	{ Totals...	6	6								
	{ Males...	4	4								
	{ Females...	2	2								
Wyandotte.....	{ Totals...	279	103	112	50	10	1		2	1	
	{ Males...	158	55	63	32	6			1	1	
	{ Females...	121	48	49	18	4	1		1		
Yale.....	{ Totals...	29	16	2	6	5					
	{ Males...	17	10	1	3	3					
	{ Females...	12	6	1	3	2					
Ypsilanti.....	{ Totals...	88	67	5	7	9					
	{ Males...	42	32	2	4	4					
	{ Females...	46	35	3	3	5					
Zeeland.....	{ Totals...	57	38	11	4	3			1		
	{ Males...	25	16	6	1	1			1		
	{ Females...	32	22	5	3	2					

Table III.—Stillbirths, twins and illegitimate births in Michigan, by counties, for the year 1911.

State and counties.	Number of stillbirths returned as deaths, 1911.	Number of stillbirths returned as births, 1911.	Number of twins born in 1911.	Number of illegitimate children born in 1911.
STATE.....	2,716	2,403	1,417	1,083
Alcona.....	8	6	2	.....
Alger.....	6	6	6	.....
Allegan.....	30	29	10	3
Alpena.....	17	20	8	1
Antrim.....	15	14	6	5
Arenac.....	7	11	4	1
Baraga.....	4	3	2	1
Barry.....	21	19	8	1
Bay.....	55	53	38	12
Benzie.....	14	14	2	3
Berrien.....	38	35	24	6
Branch.....	19	17	10	6
Calhoun.....	37	38	14	18
Cass.....	14	13	6	3
Charlevoix.....	21	18	10	4
Cheboygan.....	18	18	10	2
Chippewa.....	25	25	14	5
Clare.....	9	12	12	2
Clinton.....	12	13	8	3
Crawford.....	1	1	4	.....
Delta.....	23	28	12	7
Dickinson.....	23	18	18	6
Eaton.....	33	33	16	6
Emmet.....	26	24	8	3
Genesee.....	60	58	26	12
Gladwin.....	8	8	4	4
Gogebic.....	55	37	6	4
Grand Traverse.....	16	18	8	7
Gratiot.....	19	16	18	9
Hillsdale.....	13	15	4	4
Houghton.....	83	90	77	25
Huron.....	28	29	20	11
Ingham.....	38	34	18	10
Ionia.....	16	15	16	17
Iosco.....	7	7	6	3
Iron.....	10	12	6	3
Isabella.....	24	24	14	3
Jackson.....	36	34	24	9
Kalamasoo.....	67	57	40	22
Kalkaska.....	12	12	6	1
Kent.....	143	131	62	108
Keweenaw.....	15	14	16	5
Lake.....	.....	.....	2	1
Lapeer.....	21	22	14	8
Leelanau.....	9	8	2	3
Lenawee.....	27	25	14	3
Livingston.....	13	15	8	1
Luce.....	4	3	.....	2
Mackinac.....	9	8	8	2
Macomb.....	29	25	24	3
Manistee.....	22	22	20	8
Marquette.....	51	51	30	13
Mason.....	27	24	6	3
Mecosta.....	18	19	18	5
Menominee.....	30	24	20	11

Table III.—Concluded.—Stillbirths, twins and illegitimate births in Michigan by counties, for the year 1911.

Counties.	Number of stillbirths returned as deaths, 1911.	Number of stillbirths returned as births, 1911.	Number of twins born in 1911.	Number of illegitimate children born in 1911.
Midland.....	16	14	4	3
Missaukee.....	12	13	14	1
Monroe.....	26	22	16	5
Montcalm.....	19	21	16	6
Montmorency.....	2	3	.....	2
Muskegon.....	38	38	20	16
Newaygo.....	15	16	4	5
Oakland.....	28	26	26	4
Oceana.....	22	19	10	6
Ogemaw.....	16	10	12	4
Ontonagon.....	3	4	8	2
Oscola.....	13	19	6	6
Oscoda.....	3	4	.....	.....
Otsego.....	6	6	2	.....
Ottawa.....	46	45	26	8
Presque Isle.....	9	9	14	4
Roscommon.....	3	3	2	.....
Saginaw.....	88	64	44	13
St. Clair.....	59	50	24	4
St. Joseph.....	18	16	4	2
Sanilac.....	27	32	18	3
Schoolcraft.....	10	11	2	1
Shiawassee.....	24	24	2	4
Tuscola.....	27	25	14	4
Van Buren.....	12	13	12	3
Washtenaw.....	28	23	8	85
Wayne.....	741	534	312	467
Wexford.....	14	14	8	7

Table IIIa.—Stillbirths, twins and illegitimate births in cities of Michigan, for the year 1911.

Cities.	Number of stillbirths, 1911.	Number of twins born in 1911.	Number of illegitimate children born in 1911.
ALL CITIES.....	1,193	676	814
Adrian.....	5	6	.....
Albion.....	2	.....	.....
Allegan.....	2	.....	.....
Alma.....	1	.....	1
Alpena.....	9	8	.....
Ann Arbor.....	10	4	85
Au Gres.....	1	.....	.....
Au Sable.....	1	.....	.....
Bad Axe.....	1	.....	.....
Bay City.....	40	26	11
Battle Creek.....	13	8	11
Beaverton.....	1	.....	.....
Belding.....	3	.....	2
Benton Harbor.....	2	4	1
Bessemer.....	5	.....	1
Big Rapids.....	6	8	2
Boyne City.....	1	6	1
Brown City.....	2	.....	.....
Cadillac.....	.....	2	4
Charlevoix.....	.....	.....	1
Charlotte.....	7	2	2
Cheboygan.....	12	4	2
Clare.....	6	2	1
Coleman.....	.....	.....	.....
Coldwater.....	6	2	3
Corunna.....	1	.....	.....
Croswell.....	1	4	.....
Crystal Falls.....	4	4	.....
Detroit.....	474	286	454
Dowagiac.....	2	4	2
East Jordan.....	3	2	1
East Lansing.....	1	.....	.....
East Tawas.....	1	2	1
Eaton Rapids.....	.....	.....	.....
Escanaba.....	11	.....	4
Flint.....	30	16	7
Gladstone.....	8	2	.....
Gladwin.....	1	2	1
Grand Haven.....	6	2	1
Grand Ledge.....	3	2	1
Grand Rapids.....	99	44	97
Greenville.....	4	2	1
Hancock.....	8	8	2
Harbor Beach.....	1	2	.....
Harrison.....	.....	.....	.....
Harrisville.....	.....	.....	.....
Hastings.....	1	2	.....
Hillsdale.....	1	2	1
Holland.....	11	6	2
Hudson.....	.....	.....	.....
Ionia.....	3	2	.....
Iron Mountain.....	6	6	1
Ironwood.....	27	6	2
Ishpeming.....	11	8	4
Jackson.....	22	18	5
Kalamazoo.....	41	24	18
Lansing.....	22	6	8
Lapeer.....	.....	2	2
Ludington.....	12	2	1
McBain.....	.....	.....	.....

Table IIIa.—Concluded.—Stillbirths, twins and illegitimate births in cities of Michigan, for the year 1911.

Cities.	Number of stillbirths, 1911.	Number of twins born in 1911.	Number of illegitimate children born in 1911.
Mackinac Island.....			
Manistee.....	10	6	4
Manistique.....	6	2	1
Marine City.....	3	4	1
Marquette.....	12	8	3
Marshall.....		2	2
Mason.....			
Menominee.....	9	4	4
Midland.....	3		
Monroe.....	4	4	
Mt. Clemens.....	5	6	2
Mt. Pleasant.....	6	2	1
Muskegon.....	25	10	12
Muskegon Heights.....	2	2	1
Negaunee.....	14	4	3
Niles.....	3		
North Muskegon.....	1		
Norway.....	6	10	2
Omer.....			
Onaway.....	5	4	3
Owosso.....	5		2
Petokey.....	2	2	2
Pontiac.....	8	10	2
Port Huron.....	18	8	1
Rose City.....	1	2	
St. Clair.....	6		
St. Ignace.....	2	6	1
St. Johns.....			1
St. Joseph.....	5	2	1
St. Louis.....	1	2	2
Saginaw.....	35	26	11
Sandusky.....	3		
Sault Ste. Marie.....	13	8	2
Scottville.....	2		
South Haven.....	1	2	
Standish.....	2		
Stanton.....	1		
Sturgis.....	3		
Tawas City.....			
Three Rivers.....	3		
Traverse City.....	10	2	2
West Branch.....	1	2	1
Whittemore.....		2	
Wyandotte.....	4	6	3
Yale.....	1		
Ypsilanti.....	1		
Zeeland.....			

VITAL STATISTICS OF MICHIGAN, 1911.

Table IV.—Stillbirths, twins and illegitimate births in Michigan, by months and sex for the year 1911.

Condition.	Sex.	Year, 1911.	Months of births, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Stillbirths.....	Totals...	2,403	183	225	195	195	228	213	207	213	191	187	175	191
	Males...	1,371	104	114	109	106	144	123	140	125	111	101	96	98
	Females.	1,032	79	111	86	89	84	90	67	88	80	86	79	93
Twins.....	Totals...	1,417	120	119	128	134	172	102	140	128	106	103	85	80
	Males...	754	68	52	64	68	98	65	79	59	52	55	53	41
	Females.	663	52	67	64	66	74	37	61	69	54	48	32	39
Illegimates...	Totals...	1,083	94	101	131	101	114	94	95	72	64	62	65	90
	Males...	571	46	52	66	44	61	50	51	44	36	39	26	56
	Females.	512	48	49	65	57	53	44	44	28	28	23	39	34

TABLES
RELATING TO
DEATHS
AND
CAUSES OF DEATH
IN
MICHIGAN
DURING THE
YEAR 1911.

PRIMARY TABLES RELATING TO DEATHS AND CAUSES OF DEATHS IN MICHIGAN DURING THE YEAR 1911.

Table I.—Deaths in Michigan, by months, counties and sex, during the year 1911. (Stillbirths excluded).

Table Ia.—Deaths in cities of Michigan, by months and sex, during the year 1911. (Stillbirths excluded).

Table II.—Deaths in Michigan, by ages, counties and sex, during the year 1911. (Stillbirths excluded).

Table IIa.—Deaths in cities of Michigan, by ages and sex, during the year 1911. (Stillbirths excluded).

Table III.—Causes of deaths in Michigan, by months, ages and sex, during the year 1911. (Stillbirths excluded).

Table IV.—Causes of deaths in Michigan, by counties, during the year 1911. (Stillbirths excluded).

Table IVa.—Causes of deaths in Michigan, by cities, during the year 1911. (Stillbirths excluded).

NOTE.—Secondary tables containing death rates and other ratios, and comparative tables, displaying the mortality of Michigan for the year 1911 in connection with previous years, and other states and countries may be found on preceding pages of this Report, together with descriptive text.

DEATHS.

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Table I.—Deaths in Michigan by months, counties and sex, during the year 1911. (Stillbirths excluded).

State and Counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
STATE.....	{ Totals..	38,007	3,530	3,444	3,872	3,544	3,246	2,661	3,201	2,979	2,946	2,815	2,836	2,933
	{ Males..	20,900	1,914	1,859	2,068	1,914	1,785	1,505	1,797	1,656	1,655	1,602	1,520	1,625
	{ Fem...	17,107	1,616	1,585	1,804	1,630	1,461	1,156	1,404	1,323	1,291	1,213	1,316	1,308
Alcona.....	{ Totals..	63	4	7	12	4	5	4	3	4	5	8	3	4
	{ Males..	37	1	3	7	2	2	3	2	3	3	6	2	3
	{ Fem...	26	3	4	5	2	3	1	1	1	2	2	1	1
Alger.....	{ Totals..	68	6	4	6	7	8	5	5	8	6	5	4	4
	{ Males..	40	4	3	4	4	3	4	4	6	4	2	1	1
	{ Fem...	28	2	1	2	3	5	1	1	2	2	3	3	3
Allegan.....	{ Totals..	508	53	58	57	50	43	26	43	36	34	30	40	38
	{ Males..	265	27	22	36	25	24	14	25	18	21	16	19	18
	{ Fem...	243	26	36	21	25	19	12	18	18	13	14	21	20
Alpena.....	{ Totals..	286	19	29	43	21	25	20	23	12	36	20	19	19
	{ Males..	154	8	16	19	9	16	10	14	11	22	13	8	8
	{ Fem...	132	11	13	24	12	9	9	9	1	14	7	12	11
Antrim.....	{ Totals..	206	24	15	18	24	16	16	18	14	20	16	12	13
	{ Males..	120	11	8	11	16	9	12	13	9	8	9	7	7
	{ Fem...	86	13	7	7	8	7	4	5	5	12	7	5	6
Arenac.....	{ Totals..	102	8	12	12	7	14	5	5	10	6	10	4	9
	{ Males..	59	4	9	7	4	9	2	3	6	2	6	2	5
	{ Fem...	43	4	3	5	3	5	3	2	4	4	4	2	4
Baraga.....	{ Totals..	68	11	6	11	6	4	1	10	5	5	3	4	2
	{ Males..	47	7	3	8	3	2	.....	8	4	5	3	2	2
	{ Fem...	21	4	3	3	3	2	1	2	1	.....	.....	2	.....
Barry.....	{ Totals..	297	33	20	32	34	30	21	23	20	27	22	15	20
	{ Males..	158	23	9	12	17	17	12	12	9	12	11	12	12
	{ Fem...	139	10	11	20	17	13	9	11	11	15	11	3	8
Bay.....	{ Totals..	812	81	88	96	62	69	51	57	80	68	50	55	55
	{ Males..	442	44	45	55	37	40	24	31	52	38	24	29	23
	{ Fem...	370	37	43	41	25	29	27	26	28	30	26	26	32
Benzie.....	{ Totals..	143	9	9	21	13	12	10	16	14	7	7	12	13
	{ Males..	76	1	4	11	8	6	5	10	7	3	3	10	8
	{ Fem...	67	8	5	10	5	6	5	6	7	4	4	2	5
Berrien.....	{ Totals..	682	56	55	61	67	55	58	70	61	53	51	39	56
	{ Males..	388	33	37	35	31	27	34	34	39	35	32	23	28
	{ Fem...	294	23	18	26	36	28	24	36	22	18	19	16	28
Branch.....	{ Totals..	353	38	37	42	25	24	24	21	21	25	28	33	35
	{ Males..	203	23	25	27	15	12	14	11	12	18	16	15	15
	{ Fem...	150	15	12	15	10	12	10	10	9	7	12	18	20
Calhoun.....	{ Totals..	846	89	92	81	82	68	67	73	53	64	58	63	56
	{ Males..	460	45	50	43	52	37	31	39	33	38	36	24	32
	{ Fem...	386	44	42	38	30	31	36	34	20	26	22	39	24
Cass.....	{ Totals..	309	29	27	30	25	26	28	26	21	21	20	33	23
	{ Males..	157	10	10	17	11	14	18	15	10	11	10	18	13
	{ Fem...	152	19	17	13	14	12	10	11	11	10	10	15	10
Charlevoix...	{ Totals..	238	22	23	33	22	21	16	14	25	16	19	14	13
	{ Males..	135	14	13	16	11	11	12	10	15	8	10	8	7
	{ Fem...	103	8	10	17	11	10	4	4	10	8	9	6	6
Cheboygan...	{ Totals..	215	17	21	21	15	23	21	17	10	19	18	14	19
	{ Males..	127	13	14	12	9	11	17	9	8	8	9	7	10
	{ Fem...	88	4	7	9	6	12	4	8	2	11	9	7	9
Chippewa...	{ Totals..	263	19	35	25	19	25	14	20	27	25	24	20	10
	{ Males..	157	8	22	16	11	13	10	11	14	16	19	11	6
	{ Fem...	106	11	13	9	8	12	4	9	13	9	5	9	4

Table I.—Continued.—Deaths in Michigan by months, counties and sex, during the year 1911. (Still-births excluded).

Counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Clare.....	Totals..	97	7	11	9	11	7	6	12	6	7	5	7	9
	Males..	57	6	7	2	8	6	1	8	2	3	4	5	5
	Fem...	40	1	4	7	3	1	5	4	4	4	1	2	4
Clinton.....	Totals..	302	29	27	38	33	24	30	21	23	15	17	23	22
	Males..	162	18	17	14	13	17	12	12	13	7	12	14	13
	Fem...	140	11	10	24	20	7	18	9	10	8	5	9	9
Crawford.....	Totals..	48	4	3	7	3	3	4	3	5	3	5	3	5
	Males..	30	1	3	6	2	2	3	2	2	1	3	2	3
	Fem...	18	3	.....	1	1	1	1	1	3	2	2	1	2
Delta.....	Totals..	350	35	25	31	31	22	24	27	32	33	34	31	25
	Males..	211	24	12	17	18	17	15	17	17	20	22	18	14
	Fem...	139	11	13	14	13	5	9	10	15	13	12	13	11
Dickinson.....	Totals..	205	18	16	12	17	19	17	20	23	10	19	16	18
	Males..	126	12	9	7	8	11	11	16	14	6	13	8	11
	Fem...	79	6	7	5	9	8	6	4	9	4	6	8	7
Eaton.....	Totals..	440	40	43	40	37	45	39	28	34	27	39	45	23
	Males..	230	23	20	14	19	26	17	14	20	13	27	24	13
	Fem...	210	17	23	26	18	19	22	14	14	14	12	21	10
Emmet.....	Totals..	217	26	17	13	23	18	17	17	19	21	14	17	15
	Males..	121	22	8	3	13	12	11	10	7	11	7	9	8
	Fem...	96	4	9	10	10	6	6	7	12	10	7	8	7
Genesee.....	Totals..	802	80	81	83	75	52	54	54	66	65	65	55	72
	Males..	416	36	44	39	38	27	32	28	28	38	34	30	42
	Fem...	386	44	37	44	37	25	22	26	38	27	31	25	30
Gladwin.....	Totals..	91	14	8	8	12	5	5	9	3	9	6	10	2
	Males..	47	7	5	4	2	2	2	6	1	5	4	7	2
	Fem...	44	7	3	4	10	3	3	3	2	4	2	3	.....
Gogebic.....	Totals..	242	18	27	30	19	23	11	23	18	20	15	18	20
	Males..	154	12	22	20	11	16	8	11	8	11	8	14	13
	Fem...	88	6	5	10	8	7	3	12	10	9	7	4	7
Gd. Traverse..	Totals..	369	26	28	35	40	25	22	33	25	44	30	29	32
	Males..	214	12	16	20	20	17	16	21	17	26	13	14	22
	Fem...	155	14	12	15	20	8	6	12	8	18	17	15	10
Gratiot.....	Totals..	343	31	41	30	28	35	22	32	21	18	29	37	19
	Males..	189	13	23	16	16	22	14	15	12	8	15	22	13
	Fem...	154	18	18	14	12	13	8	17	9	10	14	15	6
Hillsdale.....	Totals..	416	45	41	41	50	27	31	34	24	38	27	28	30
	Males..	205	26	17	23	26	13	16	18	8	20	7	15	16
	Fem...	211	19	24	18	24	14	15	16	16	18	20	13	14
Houghton.....	Totals..	998	98	107	81	97	82	55	93	101	85	78	65	56
	Males..	583	60	65	42	47	53	35	62	66	50	42	29	32
	Fem...	415	38	42	39	50	29	20	31	35	35	36	36	24
Huron.....	Totals..	383	27	27	38	40	39	25	32	47	29	17	29	33
	Males..	208	13	16	22	18	19	14	18	25	13	9	18	23
	Fem...	175	14	11	16	22	20	11	14	22	16	8	11	10
Ingham.....	Totals..	637	50	57	63	64	58	54	59	52	40	50	47	43
	Males..	336	28	28	32	33	30	26	29	26	29	29	24	22
	Fem...	301	22	29	31	31	28	28	30	26	11	21	23	21
Ionia.....	Totals..	427	41	53	39	32	32	25	39	30	27	38	35	36
	Males..	237	19	33	22	19	19	18	22	20	11	19	15	20
	Fem...	190	22	20	17	13	13	7	17	10	16	19	20	16
Iosco.....	Totals..	89	7	10	8	12	10	8	8	3	9	6	5	3
	Males..	58	3	8	7	9	5	4	6	2	3	4	4	3
	Fem...	31	4	2	1	3	5	4	2	1	6	2	1	.....
Iron.....	Totals..	187	18	15	20	20	14	16	25	18	11	12	10	8
	Males..	119	9	5	14	13	11	11	17	9	9	10	7	4
	Fem...	68	9	10	6	7	3	5	8	9	2	2	3	4

Table I.—Continued.—Deaths in Michigan by months, counties and sex, during the year 1911. (Still-births excluded).

Counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Isabella.....	Totals..	220	17	20	21	18	13	19	19	19	21	19	15	19
	Males..	124	7	12	13	12	7	11	10	7	12	14	9	10
	Fem...	96	10	8	8	6	6	8	9	12	9	5	6	9
Jackson.....	Totals..	714	68	69	63	79	55	46	66	46	54	54	56	58
	Males..	407	34	44	25	45	37	26	45	28	30	38	32	32
	Fem...	307	34	25	38	34	18	20	21	18	24	16	23	26
Kalamazoo....	Totals..	967	82	90	113	80	84	66	82	70	78	64	78	82
	Males..	494	46	44	62	36	47	32	37	34	46	34	37	39
	Fem...	473	36	46	51	44	37	34	45	36	30	30	41	43
Kalkaska.....	Totals..	95	3	7	3	19	11	7	9	5	10	3	8	10
	Males..	52	2	6	2	9	7	2	2	3	4	3	6	6
	Fem...	43	1	1	1	10	4	5	7	2	6	.....	2	4
Kent.....	Totals..	2,404	231	237	284	257	186	152	187	176	177	155	173	189
	Males..	1,351	138	142	169	128	101	86	98	96	106	86	94	107
	Fem...	1,053	93	95	115	129	85	66	89	80	71	69	79	82
Keweenaw.....	Totals..	99	7	12	10	13	13	5	6	9	10	6	5	3
	Males..	50	5	6	4	9	5	3	2	3	4	4	3	2
	Fem...	49	2	6	6	4	8	2	4	6	6	2	2	1
Lake.....	Totals..	60	5	9	5	7	10	5	8	3	.....	4	1	3
	Males..	36	3	6	4	4	5	5	4	1	.....	2	1	1
	Fem...	24	2	3	1	3	5	.....	4	2	.....	2	.....	2
Lapeer.....	Totals..	377	30	33	53	40	32	23	23	29	31	25	29	29
	Males..	203	21	17	27	20	20	11	9	14	20	13	13	18
	Fem...	174	9	16	26	20	12	12	14	15	11	12	16	11
Leelanau.....	Totals..	144	15	6	17	18	10	11	10	9	16	9	15	8
	Males..	60	4	1	9	9	5	7	4	5	8	5	7	5
	Fem...	75	11	5	8	9	5	4	6	4	8	4	8	3
Lenawee.....	Totals..	625	60	47	71	56	63	55	50	39	52	43	40	49
	Males..	327	27	23	33	26	35	25	24	23	28	26	23	33
	Fem...	298	33	24	38	30	27	30	26	16	24	17	17	16
Livingston....	Totals..	242	32	23	31	19	17	16	26	16	18	11	10	23
	Males..	138	18	11	18	10	13	6	11	12	11	6	8	14
	Fem...	104	14	12	13	9	4	10	15	4	7	5	2	9
Luce.....	Totals..	84	4	5	6	4	5	8	7	8	11	11	4	11
	Males..	62	3	3	3	3	5	7	5	6	8	8	1	10
	Fem...	22	1	2	3	1	.....	1	2	2	3	3	3	1
Mackinac.....	Totals..	97	6	13	8	10	5	7	10	9	8	8	10	3
	Males..	47	3	6	5	5	3	1	4	3	3	8	5	.....
	Fem...	50	3	7	2	5	2	6	6	6	5	5	5	3
Macomb.....	Totals..	484	57	48	62	38	44	20	32	25	32	44	40	42
	Males..	260	35	26	28	20	20	9	18	19	16	24	18	27
	Fem...	224	22	22	34	18	24	11	14	6	16	20	22	15
Manistee.....	Totals..	331	25	20	36	50	24	22	31	20	25	23	23	32
	Males..	183	13	13	13	28	12	14	15	12	15	9	15	24
	Fem...	148	12	7	23	22	12	8	16	8	10	14	8	8
Marquette....	Totals..	638	51	60	68	50	68	33	49	47	57	55	52	48
	Males..	373	31	42	35	26	41	21	33	27	28	32	28	29
	Fem...	265	20	18	33	24	27	12	16	20	29	23	24	19
Mason.....	Totals..	242	10	27	24	35	17	18	20	24	16	14	21	16
	Males..	124	1	18	12	18	7	9	11	11	10	6	11	10
	Fem...	118	9	9	12	17	10	9	9	13	6	8	10	6
Mecosta.....	Totals..	250	24	18	35	21	18	17	25	20	21	16	9	26
	Males..	133	12	5	21	11	9	9	15	8	13	9	5	16
	Fem...	117	12	13	14	10	9	8	10	12	8	7	4	10
Menominee...	Totals..	271	36	29	26	21	25	21	21	14	20	15	20	23
	Males..	158	24	14	14	12	13	16	12	8	13	9	10	13
	Fem...	113	12	15	12	9	12	5	9	6	7	6	10	10

Table I.—Continued.—Deaths in Michigan by months, counties and sex, during the year 1911. (Stillbirths excluded).

Counties.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Midland.....	Totals..	166	17	16	24	10	17	7	11	12	15	12	9	16
	Males..	87	6	12	17	5	11	4	8	6	6	6	1	5
	Fem... 79		11	4	7	5	6	3	3	6	9	6	8	11
Missaukee.....	Totals..	93	8	6	12	10	7	6	8	8	8	9	5	6
	Males..	51	4	5	5	4	5	2	5	6	4	5	2	4
	Fem... 42		4	1	7	6	2	4	3	2	4	4	3	2
Monroe.....	Totals..	452	52	44	36	44	29	27	31	36	35	40	41	37
	Males..	251	29	21	23	23	13	16	18	21	18	29	21	19
	Fem... 201		23	23	13	21	16	11	13	15	17	11	20	18
Montcalm.....	Totals..	445	40	49	49	40	32	34	40	31	28	27	33	42
	Males..	234	25	23	23	23	16	21	24	18	14	13	17	17
	Fem... 211		15	26	26	17	16	13	16	13	14	14	16	25
Montmorency.....	Totals..	35	6	4	3	2	1	.....	5	5	1	5	1	2
	Males..	27	6	3	3	2	1	.....	4	2	1	2	1	2
	Fem... 8		.....	1	.....	.....	.....	.....	1	3	.....	3	.....	.....
Muskegon.....	Totals..	556	40	57	71	50	51	48	46	45	37	41	42	28
	Males..	301	25	26	43	30	24	26	23	21	17	28	21	17
	Fem... 255		15	31	28	20	27	22	23	24	20	13	21	11
Newaygo.....	Totals..	223	25	15	24	26	26	10	17	20	10	16	19	15
	Males..	122	13	8	13	16	10	4	10	17	4	10	12	5
	Fem... 101		12	7	11	10	16	6	7	3	6	6	7	10
Oakland.....	Totals..	805	85	63	72	63	70	66	64	67	58	62	66	69
	Males..	448	49	31	41	35	40	36	44	38	32	30	35	37
	Fem... 357		36	32	31	28	30	30	20	29	26	32	31	32
Oceana.....	Totals..	204	16	13	19	19	8	23	24	16	14	17	16	19
	Males..	119	10	6	9	12	5	16	13	8	9	12	8	11
	Fem... 85		6	7	10	7	3	7	11	8	5	5	8	8
Ogemaw.....	Totals..	91	10	6	9	8	10	3	3	7	11	10	4	10
	Males..	47	4	3	5	4	4	2	2	4	7	2	3	7
	Fem... 44		6	3	4	4	6	1	1	3	4	8	1	3
Ontonagon.....	Totals..	100	12	6	9	7	7	8	12	6	5	12	10	6
	Males..	61	10	4	5	2	6	6	6	3	3	6	7	3
	Fem... 39		2	2	4	5	1	2	6	3	2	6	3	3
Osceola.....	Totals..	192	17	12	24	17	21	8	20	16	10	9	22	18
	Males..	108	9	7	13	10	12	3	14	11	9	5	8	7
	Fem... 84		8	5	11	7	9	5	6	5	1	2	14	11
Oscoda.....	Totals..	17	2	1	4	.....	.....	3	.....	4	1	1	1	.....
	Males..	10	1	.....	3	.....	.....	3	.....	3	.....	.....	.....	.....
	Fem... 7		.....	1	1	.....	.....	.....	.....	1	1	1	.....	.....
Otego.....	Totals..	91	8	11	5	7	7	8	4	4	8	9	4	16
	Males..	49	5	7	2	3	3	2	3	1	3	5	3	12
	Fem... 42		3	4	3	4	4	6	1	3	5	4	1	4
Ottawa.....	Totals..	562	49	52	53	53	38	50	45	39	47	34	54	48
	Males..	291	26	19	20	30	19	31	25	21	27	18	24	30
	Fem... 271		23	33	33	23	19	19	20	18	20	16	30	18
Presque Isle.....	Totals..	134	16	12	7	4	11	7	9	19	20	11	12	6
	Males..	81	11	9	2	2	6	5	4	13	11	7	10	1
	Fem... 53		5	3	5	2	5	2	5	6	9	4	2	5
Roscommon.....	Totals..	22	2	1	1	.....	4	1	1	1	3	1	5	2
	Males..	14	2	.....	1	.....	2	.....	1	1	3	1	1	2
	Fem... 8		.....	1	.....	.....	2	1	.....	.....	.....	.....	4	.....
Saginaw.....	Totals..	1,129	107	117	123	103	98	79	82	94	76	90	85	75
	Males..	624	51	66	63	61	46	47	49	60	46	55	46	34
	Fem... 505		56	51	60	42	52	32	33	34	30	35	39	41

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Table I.—Concluded.—Deaths in Michigan by months, counties and sex, during the year 1911. (Still-births excluded).

Counties.	Sex.	Year. 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
St. Clair.....	Totals..	687	62	62	62	68	45	51	60	63	61	45	59	49
	Males..	375	42	30	29	37	18	32	32	32	36	25	41	21
	Fem...	312	20	32	33	31	27	19	28	31	25	20	18	28
St. Joseph.....	Totals..	385	36	39	53	38	36	21	28	32	31	18	23	30
	Males..	188	23	18	27	18	10	11	13	17	14	9	9	19
	Fem...	197	13	21	26	20	26	10	15	15	17	9	14	11
Sanilac.....	Totals..	383	36	32	34	34	35	28	33	35	29	29	24	34
	Males..	211	18	16	22	20	18	16	15	17	19	16	16	18
	Fem...	172	18	16	12	14	17	12	18	18	10	13	8	16
Schoolcraft.....	Totals..	72	6	5	7	9	5	6	6	6	4	3	9	6
	Males..	42	4	5	4	5	3	5	3	3	.....	1	6	2
	Fem...	30	2	.....	3	4	2	1	3	2	4	2	3	4
Shiawassee.....	Totals..	419	34	38	38	34	43	35	30	24	41	28	40	34
	Males..	217	16	15	22	22	24	19	15	9	22	13	23	17
	Fem...	202	18	23	16	12	19	16	15	15	19	15	17	17
Tuscola.....	Totals..	437	51	36	49	32	46	34	24	40	28	28	32	37
	Males..	227	24	25	29	15	26	16	17	22	11	11	15	16
	Fem...	210	27	11	20	17	20	18	7	18	17	17	17	21
Van Buren.....	Totals..	486	38	45	57	38	38	26	42	44	33	44	43	43
	Males..	260	17	25	35	19	18	23	12	19	22	23	25	22
	Fem...	226	21	20	22	19	20	15	14	23	22	10	19	21
Washtenaw.....	Totals..	700	73	49	77	75	46	57	65	45	67	50	44	52
	Males..	362	34	26	31	40	29	30	30	23	33	27	17	32
	Fem...	348	39	23	46	35	17	27	35	22	34	23	27	20
Wayne.....	Totals..	8,402	770	679	762	772	781	574	790	681	624	676	611	682
	Males..	4,624	394	343	407	434	430	323	453	370	359	385	345	381
	Fem...	3,778	376	336	355	338	351	251	337	311	265	291	266	301
Wexford.....	Totals..	273	17	26	25	19	26	27	23	22	27	27	17	17
	Males..	161	9	16	13	13	15	18	12	16	14	15	9	11
	Fem...	112	8	10	12	6	11	9	11	6	13	12	8	6

Table Ia.—Deaths in cities of Michigan by months and sex, during the year 1911. (Stillbirths excluded).

Cities.	Sex.	Year 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
ALL CITIES..	{ Totals..	19,467	1,745	1,721	1,955	1,767	1,639	1,378	1,638	1,558	1,519	1,514	1,506	1,527
	{ Males..	10,587	938	920	1,012	963	879	774	889	850	840	860	813	848
	{ Fem..	8,880	807	801	943	804	760	604	749	708	679	654	693	679
Adrian.....	{ Totals..	152	12	9	20	14	10	12	10	12	15	12	11	15
	{ Males..	84	4	6	9	6	8	6	4	7	10	7	6	11
	{ Fem..	68	8	3	11	8	2	6	6	5	5	5	5	4
Albion.....	{ Totals..	87	3	9	10	12	7	7	10	9	3	5	7	5
	{ Males..	45	2	3	4	6	4	3	3	7	2	5	3	3
	{ Fem..	42	1	6	6	6	3	4	7	2	1	...	4	2
Allegan.....	{ Totals..	53	3	7	4	3	5	4	5	8	4	2	7	1
	{ Males..	22	...	3	2	...	5	1	3	2	1	...	4	1
	{ Fem..	31	3	4	2	3	...	3	2	6	3	2	3	...
Alma.....	{ Totals..	34	2	5	3	1	4	5	1	1	2	3	5	2
	{ Males..	18	1	2	1	1	2	4	1	...	1	...	4	1
	{ Fem..	16	1	3	2	...	2	1	...	1	1	3	1	1
Alpena.....	{ Totals..	216	17	20	36	18	16	12	19	9	29	10	17	13
	{ Males..	111	7	10	15	9	10	6	11	8	17	6	7	5
	{ Fem..	105	10	10	21	9	6	6	8	1	12	4	10	8
Ann Arbor.....	{ Totals..	336	32	16	42	34	26	28	26	28	30	31	21	22
	{ Males..	173	16	9	19	14	19	13	13	17	15	18	8	12
	{ Fem..	163	16	7	23	20	7	15	13	11	15	13	13	10
Au Gres.....	{ Totals..	9	...	...	1	1	1	...	...	2	...	...	1	3
	{ Males..	6	...	...	1	...	1	...	...	1	...	...	...	3
	{ Fem..	3	...	...	...	1	...	...	...	1	...	...	1	...
Au Sable.....	{ Totals..	8	...	1	1	2	2	...	...	...	1	...	1	...
	{ Males..	6	...	1	1	2	1	...	...	...	...	...	1	...
	{ Fem..	2	...	...	...	...	1	...	...	...	1	...	...	...
Bad Axe.....	{ Totals..	32	2	2	4	2	1	1	4	4	2	4	2	4
	{ Males..	17	1	...	4	1	...	1	2	2	2	2	...	2
	{ Fem..	15	1	2	...	1	1	...	2	2	...	2	2	2
Bay City.....	{ Totals..	563	54	62	70	41	47	38	44	48	43	39	40	37
	{ Males..	297	30	29	39	23	25	19	25	28	24	19	20	16
	{ Fem..	266	24	33	31	18	22	19	19	20	19	20	20	21
Battle Creek...	{ Totals..	399	46	39	37	33	30	30	37	23	36	30	30	28
	{ Males..	211	24	21	19	23	12	16	23	11	17	17	11	17
	{ Fem..	188	22	18	18	10	18	14	14	12	19	13	19	11
Beaverton.....	{ Totals..	14	1	...	3	1	1	2	...	...	4	1	1	...
	{ Males..	7	...	...	2	...	...	1	...	...	3	1	...	...
	{ Fem..	7	1	...	1	1	1	1	...	...	1	...	1	...
Belding.....	{ Totals..	37	4	7	1	1	1	2	3	1	5	3	6	3
	{ Males..	20	1	5	...	1	1	2	2	1	2	3	...	2
	{ Fem..	17	3	2	1	...	...	...	1	...	3	...	6	1
Benton Harbor.	{ Totals..	123	6	8	9	14	4	7	14	16	14	11	10	10
	{ Males..	66	5	4	5	6	3	3	5	8	8	8	6	5
	{ Fem..	57	1	4	4	8	1	4	9	8	6	3	4	5
Bessemer.....	{ Totals..	49	5	9	4	3	2	1	5	2	4	...	6	8
	{ Males..	32	2	8	4	2	1	...	2	1	1	...	6	5
	{ Fem..	17	3	1	...	1	1	1	3	1	3	...	...	3
Big Rapids....	{ Totals..	77	9	4	12	7	8	5	8	2	7	6	2	7
	{ Males..	45	6	2	7	5	3	3	3	1	4	4	1	6
	{ Fem..	32	3	2	5	2	5	2	5	1	3	2	1	1
Boyne City....	{ Totals..	62	2	6	8	4	11	2	2	7	6	7	2	5
	{ Males..	34	1	3	4	...	5	2	2	4	3	5	1	4
	{ Fem..	28	1	3	4	4	6	3	3	2	1	1

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Table Ia.—Continued.—Deaths in cities of Michigan by months and sex, during the year 1911. (Still-births excluded).

Cities.	Sex.	Year. 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Brown City....	Totals..	9	2			1	2						1	3
	Males..	7	1			1	2						1	2
	Fem...	2	1											1
Cadillac.....	Totals..	125	7	11	13	13	15	14	6	8	14	7	7	10
	Males..	75	3	6	7	10	9	11	3	5	8	3	5	5
	Fem...	50	4	5	6	3	6	3	3	3	6	4	2	5
Charlevoix....	Totals..	26	2	3	4	1	1	5	3	3	2	1		1
	Males..	19	2	3	3	1	1	3	3	2	1			
	Fem...	7			1			2		1	2			1
Charlotte.....	Totals..	69	7	10	5	7	7	8	6	2	4	6	5	2
	Males..	40	5	5	1	5	4	3	4	1	3	5	2	2
	Fem...	29	2	5	4	2	3	5	2	1	1	1	3	
Cheboygan.....	Totals..	73	7	8	6	6	7	4	4	6	8	3	6	8
	Males..	41	5	5	3	4	3	3	1	4	6	1	3	3
	Fem...	32	2	3	3	2	4	1	3	2	2	2	3	5
Clare.....	Totals..	14	1	1	1	1	1	2	3		2		2	
	Males..	5	1	1		1	1		1					
	Fem...	9			1			2	2		2		2	
Coleman.....	Totals..	10		1	2		2					2	1	2
	Males..	5		1			1					2		1
	Fem...	5			2		1					1	1	
Coldwater.....	Totals..	98	10	7	14	6	4	11	7	5	6	8	9	11
	Males..	56	6	5	9	4	3	5	4	4	4	2	5	5
	Fem...	42	4	2	5	2	1	6	3	1	2	6	4	6
Corunna.....	Totals..	23	2	1	4	1	1	2	2	2	4	3	1	
	Males..	10	1	1	2	1	1		1	1		1	1	
	Fem...	13	1		2			2	1	1	4	2		
Croswell.....	Totals..	21	1		2	3	2	1	4	4		1	1	2
	Males..	6			2	1	1	1		1				
	Fem...	15	1			2	1		4	3		1	1	2
Crystal Falls...	Totals..	70	10	1	9	8	4			7	2	7	6	3
	Males..	47	6		8	5	2			4	1	6	4	2
	Fem...	23	4	1	1	3	2			3	1	1	2	1
Detroit.....	Totals..	7,115	675	576	656	651	656	471	655	586	525	552	524	588
	Males..	3,857	349	292	341	359	352	258	365	321	297	304	301	318
	Fem...	3,258	326	284	315	292	304	213	290	265	228	248	223	270
Dowagiac.....	Totals..	74	7	8	8	4	5	7	5	6	5	5	8	6
	Males..	34	3	4	6	1	3	4	2	1	3	1	4	2
	Fem...	40	4	4	2	3	2	3	3	5	2	4	4	4
East Jordan...	Totals..	40	1	1	7	3	2	2	5	4	5	4	3	3
	Males..	23		1	3	2		2	4	3	3	1	3	1
	Fem...	17	1		4	1	2		1	1	2	3		2
East Lansing...	Totals..	4		1					2		1			
	Males..	3		1					1		1			
	Fem...	1							1					
East Tawas...	Totals..	11		2	2		1	1	1	1	1	1	1	
	Males..	7		1	1		1	1	1	1		1	1	
	Fem...	4		1	1						1	1		
Eaton Rapids...	Totals..	42	4	5	4	5	6	3	1	3	2	3	3	3
	Males..	20	3	2		1	5		1	1		2	3	2
	Fem...	22	1	3	4	4	1	3		2	2	1		1
Escanaba.....	Totals..	181	24	13	15	9	14	13	17	21	12	15	15	13
	Males..	118	17	9	9	6	10	7	11	12	7	11	9	10
	Fem...	63	7	4	6	3	4	6	6	9	5	4	6	3
Flint.....	Totals..	402	42	33	35	36	32	37	22	33	30	36	29	37
	Males..	215	18	12	14	20	20	25	11	15	18	22	18	22
	Fem...	187	24	21	21	16	12	12	11	18	12	14	11	15

VITAL STATISTICS OF MICHIGAN, 1911.

Table 1a.—Continued.—Deaths in cities of Michigan by months and sex, during the year 1911. (Still-births excluded).

Cities.	Sex.	Year 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Gladstone.....	Totals..	44	2	4	6	5	1	4	3	2	5	8	1	3
	Males..	22	2	1	2	2	1	3	2		3	5		1
	Fem...	22		3	4	3		1	1	2	2	3	1	2
Gladwin.....	Totals..	13	1	2	1	4	1		1		1		2	
	Males..	7		2	1	1			1				2	
	Fem...	6	1			3	1				1			
Grand Haven..	Totals..	76	3	10	5	8	5	8	6	6	6	5	5	9
	Males..	46	2	5	2	6	3	3	4	5	3	2	5	6
	Fem...	30	1	5	3	2	2	5	2	1	3	3		3
Grand Ledge..	Totals..	51	5	5	4		4	5	3	5	3	9	6	2
	Males..	30	2	2	2		2	3	2	5	1	6	3	2
	Fem...	21	3	3	2		2	2	1		2	3	3	
Grand Rapids..	Totals..	1,581	148	159	178	165	117	92	129	124	121	109	127	112
	Males..	838	87	96	97	79	55	45	63	64	65	65	64	58
	Fem...	743	61	63	81	86	62	47	66	60	56	44	63	54
Greenville....	Totals..	57	5	6	9	2	5	9	1	4	5	3	4	4
	Males..	32	4	2	6		3	6	1	3	1	1	2	3
	Fem...	25	1	4	3	2	2	3		1	4	2	2	1
Hancock.....	Totals..	138	7	19	14	10	8	7	12	13	15	14	9	10
	Males..	83	3	13	6	6	2	4	10	9	10	9	5	6
	Fem...	55	4	6	8	4	6	3	2	4	5	5	4	4
Harbor Beach..	Totals..	20	3	2	2	3	2	1	1	2	2	1		1
	Males..	11	1	2	1	3				2	1			1
	Fem...	9	2		1		2	1	1		1	1		
Harrison.....	Totals..	8	1	1	1	3			1					1
	Males..	6	1	1		2			1					1
	Fem...	2			1	1								
Harrisville....	Totals..	8		2	1	2						1	1	1
	Males..	5		1	1	1						1		1
	Fem...	3		1		1							1	
Hastings.....	Totals..	75	9	4	8	9	8	3	6	7	6	5	4	6
	Males..	39	6	2	5	5	2	2	3	2	2	2	4	4
	Fem...	36	3	2	3	4	6	1	3	5	4	3		2
Hillsdale.....	Totals..	79	8	9	8	11	7	2	5	3	7	5	6	8
	Males..	36	3	5	1	6	2	1	3	2	4		3	6
	Fem...	43	5	4	7	5	5	1	2	1	3	5	3	2
Holland.....	Totals..	113	8	10	12	11	8	12	6	6	12	5	13	10
	Males..	62	3	2	6	8	6	7	3	3	10	3	5	6
	Fem...	51	5	8	6	3	2	5	3	3	2	2	8	4
Hudson.....	Totals..	36	4	2	3	3	4	7	3	2	1	2	3	2
	Males..	24	2	1	2	2	4	3	1	2	1	1	3	2
	Fem...	12	2	1	1	1		4	2			1		
Ionia.....	Totals..	71	8	13	7		8	6	4	6	6	7	2	4
	Males..	34	2	7	4		3	3	3	3	2	4	2	1
	Fem...	37	6	6	3		5	3	1	3	4	3		3
Iron Mountain..	Totals..	81	6	10	4	3	5	6	7	11	5	11	5	8
	Males..	54	4	6	4	1	2	4	6	7	4	7	2	7
	Fem...	27	2	4		2	3	2	1	4	1	4	3	1
Ironwood.....	Totals..	114	8	14	15	8	11	6	13	11	11	6	5	6
	Males..	71	7	11	8	4	9	5	6	4	6	3	4	4
	Fem...	43	1	3	7	4	2	1	7	7	5	3	1	2
Ishpeming.....	Totals..	124	10	9	17	9	13	11	9	10	11	8	8	9
	Males..	74	7	5	7	6	5	6	7	8	9	2	5	7
	Fem...	50	3	4	10	3	8	5	2	2	2	6	3	2
Jackson.....	Totals..	409	39	31	36	50	33	26	35	28	32	31	32	36
	Males..	231	22	16	16	30	23	16	23	17	16	23	11	18
	Fem...	178	17	15	20	20	10	10	12	11	16	8	21	18

DEATHS.

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Table Ia.—Continued.—Deaths in cities of Michigan by months and sex, during the year 1911. (Still-births excluded).

Cities.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Kalamazoo	Totals..	717	58	70	79	60	58	49	58	51	60	50	61	63
	Males..	370	36	38	42	29	33	22	27	23	34	24	31	31
	Fem...	347	22	32	37	31	25	27	31	28	26	26	30	32
Lansing	Totals..	345	18	28	44	32	27	33	28	36	16	33	27	23
	Males..	178	12	12	24	18	14	14	11	18	10	16	15	14
	Fem...	167	6	16	20	14	13	19	17	18	6	17	12	9
Lapeer	Totals..	69	2	6	9	7	2	7	5	2	6	7	9	7
	Males..	34	2	1	6	2	1	3	1	1	4	4	4	5
	Fem...	35	...	5	3	5	1	4	4	1	2	3	5	2
Ludington	Totals..	115	6	15	14	15	5	8	8	9	10	5	11	9
	Males..	61	...	11	7	6	3	5	4	4	5	1	7	8
	Fem...	54	6	4	7	9	2	3	4	5	5	4	4	1
McBain	Totals..	3	...	...	...	...	...	...	...	...	...	2	...	1
	Males..	1	...	...	...	...	...	...	...	...	...	1	...	...
	Fem...	2	...	...	...	...	...	...	...	...	...	1	...	1
Mackinac Isl'd.	Totals..	12	...	...	...	1	1	1	...	2	3	2	2	...
	Males..	5	...	...	...	1	...	1	...	...	...	2	1	...
	Fem...	7	...	...	...	...	1	...	...	2	3	...	1	...
Manistee	Totals..	172	11	11	19	22	10	13	15	10	15	10	13	23
	Males..	101	5	6	8	13	6	8	6	6	11	5	9	18
	Fem...	71	6	5	11	9	4	5	9	4	4	5	4	5
Manistique	Totals..	41	4	3	2	3	2	5	5	5	2	3	3	4
	Males..	25	4	3	1	2	2	4	2	4	...	1	1	1
	Fem...	16	...	...	1	1	...	1	3	1	2	2	2	3
Marine City	Totals..	63	4	6	5	8	6	9	5	6	2	4	3	5
	Males..	43	2	4	2	6	3	8	4	4	1	2	3	4
	Fem...	20	2	2	3	2	3	1	1	2	1	2	...	1
Marquette	Totals..	201	20	14	21	17	21	6	18	12	11	26	17	18
	Males..	114	13	10	9	11	11	5	12	4	6	15	7	11
	Fem...	87	7	4	12	6	10	1	6	8	5	11	10	7
Marshall	Totals..	60	3	12	6	7	3	2	5	6	5	7	1	3
	Males..	35	...	7	3	4	3	1	2	6	3	4	1	1
	Fem...	25	3	5	3	3	...	1	3	...	2	3	...	2
Mason	Totals..	21	5	5	...	1	1	1	2	1	2	1	1	1
	Males..	8	3	2	...	...	...	1	1	...	...	...	1	...
	Fem...	13	2	3	...	1	1	...	1	1	2	1	...	1
Menominee	Totals..	137	13	11	13	11	7	15	15	8	7	10	11	11
	Males..	80	15	4	7	5	4	12	7	6	4	5	4	7
	Fem...	57	3	7	6	6	3	3	8	2	3	5	7	4
Midland	Totals..	35	4	5	4	1	3	1	3	3	3	2	2	4
	Males..	13	1	3	2	...	2	1	1	1	2	...	...	...
	Fem...	22	3	2	2	1	...	...	2	2	1	2	2	4
Monroe	Totals..	118	11	8	9	12	10	4	6	13	10	8	11	16
	Males..	64	6	3	5	4	5	3	4	10	7	5	4	8
	Fem...	54	5	5	4	8	5	1	2	3	3	3	7	8
Mt. Clemens	Totals..	160	20	12	23	14	10	9	12	7	10	15	15	13
	Males..	78	11	3	6	12	3	4	8	5	5	8	6	7
	Fem...	82	9	9	17	2	7	5	4	2	5	7	9	6
Mt. Pleasant	Totals..	42	6	4	1	5	3	4	1	6	3	3	3	3
	Males..	18	2	...	1	4	...	3	...	1	...	3	1	3
	Fem...	24	4	4	...	1	3	1	1	5	3	...	2	...
Muskegon	Totals..	364	22	33	46	31	38	27	35	26	27	33	26	20
	Males..	198	15	13	30	19	16	13	19	13	10	25	13	12
	Fem...	166	7	20	16	12	22	14	16	13	17	8	13	8
Muskegon Hts.	Totals..	18	2	1	2	1	...	2	1	3	2	1	1	2
	Males..	8	...	...	1	...	...	2	...	1	2	...	...	1
	Fem...	10	2	1	1	1	...	...	...	2	...	1	1	1

Table 1a.—Continued.—Deaths in cities of Michigan by months and sex, during the year 1911. (Stillbirths excluded).

Cities.	Sex.	Year. 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Negaunee.....	Totals..	114	9	10	15	4	21	4	4	9	15	10	7	6
	Males..	66	3	7	9	2	16	3	3	4	5	8	3	3
	Fem...	48	6	3	6	2	5	1	1	5	10	2	4	3
Niles.....	Totals..	71	8	8	8	7	4	10	5	5	4	5	5	2
	Males..	43	5	6	5	2	3	4	1	5	2	4	4	2
	Fem...	28	3	2	3	5	1	6	4	2	2	1	1	1
No. Muskegon.	Totals..	8	1	1	2			2					1	1
	Males..	5	1		1			2					1	
	Fem...	3		1	1									1
Norway.....	Totals..	61	2	4	5	8	8	4	9	5	4	3	5	4
	Males..	31		1	2	5	5	2	6	2	1	3	2	2
	Fem...	30	2	3	3	3	3	2	3	3	3		3	2
Omer.....	Totals..	3	1					1						1
	Males..	2	1					1						
	Fem...	1												1
Onaway.....	Totals..	34	6	3	1		2	1		3	8	5	3	2
	Males..	19	2	2	1		1	1		2	4	3	3	
	Fem...	15	4	1			1			1	4	2		2
Owosso.....	Totals..	132	8	11	10	15	13	10	8	6	17	9	15	10
	Males..	64	3	4	5	8	8	5	3	1	9	4	9	5
	Fem...	68	5	7	5	7	5	5	5	5	8	5	6	5
Petoskey.....	Totals..	83	11	5	5	6	8	7	3	9	9	6	7	7
	Males..	56	11	3	2	6	7	6	2	4	3	3	4	5
	Fem...	27		2	3		1	1	1	5	6	3	3	2
Pontiac.....	Totals..	315	32	17	22	22	24	37	23	31	19	31	28	29
	Males..	185	17	10	12	17	13	22	18	16	10	19	16	15
	Fem...	130	15	7	10	5	11	15	5	15	9	12	12	14
Port Huron...	Totals..	298	29	25	26	22	20	19	32	30	24	23	28	20
	Males..	152	19	12	9	13	7	14	14	13	13	13	17	8
	Fem...	146	10	13	17	9	13	5	18	17	11	10	11	12
Rose City.....	Totals..	4		2								1		1
	Males..	1												1
	Fem...	3		2								1		
St. Clair.....	Totals..	34	2	4	5	2		2	2	5	3	2	4	3
	Males..	21	1	3	3	2		2	1	3	2	1	3	
	Fem...	13	1	1	2			1	1	2	1	1	1	3
St. Ignace.....	Totals..	30	3	7		3	2	2	2	3	2	3	3	
	Males..	17	2	3			2	1	1	2	2	3	2	
	Fem...	13	1	4		3		1	2	1	2	1	1	
St. Johns.....	Totals..	44		4	7	8	5	3	1	7	1	3	4	1
	Males..	23		3	4	1	4			4	1	1	4	1
	Fem...	21		1	3	7	1	3	1	3		2		
St. Joseph.....	Totals..	72	4	7	4	8	7	6	10	3	5	6	6	6
	Males..	44	2	7	4	4	3	4	6	1	4	4	3	2
	Fem...	28	2			4	4	2	4	2	1	2	3	4
St. Louis.....	Totals..	49	4	8	2	3	1	4	4	4	3	4	8	4
	Males..	32	3	6	1	2		2	3	2	2	2	5	4
	Fem...	17	1	2	1	1	1	2	1	2	1	2	3	
Saginaw.....	Totals..	701	65	75	72	62	67	52	55	48	42	53	63	47
	Males..	394	34	44	34	34	30	35	29	32	27	38	35	22
	Fem...	307	31	31	38	28	37	17	26	16	15	15	28	25
Sandusky.....	Totals..	14			1	1	2	3	1	2	1		2	1
	Males..	5				1	1		1				2	1
	Fem...	9			1	1	1	3		2	1			

Table Ia.—Concluded.—Deaths in cities of Michigan by months and sex, during the year 1911. (Still-births excluded).

Cities.	Sex.	Year, 1911.	Months, 1911.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Sault St. Marie.	Totals..	163	11	23	11	13	15	8	14	21	13	17	13	4
	Males..	90	3	16	7	7	5	6	8	9	9	12	7	1
	Fem... 73	8	7	4	6	10	2	6	12	4	5	6	3	
Scottville.....	Totals..	8	1	2			1	1			1		2	
	Males..	4											1	
	Fem... 4	1	2								1		1	
South Haven.....	Totals..	59	6	6	9	3	6	2	4	5	3	2	5	8
	Males..	30	2	5	7	2	2	1	1	2	2	1	3	2
	Fem... 29	4	1	2	1	4	1	3	3	1	1	2	6	
Standish.....	Totals..	13	2	3	1		1		1		2	1	1	1
	Males..	7	1	3	1									1
	Fem... 6	1							1		2	1	1	
Stanton.....	Totals..	22	2	2	2	5	1	2		1	2	2	2	1
	Males..	12		1	1	2		1			2	2	2	1
	Fem... 10	2	1	1	3	1	1		1					
Sturgis.....	Totals..	57	3	5	4	6	3	6		7	13	2	3	5
	Males..	21	2	1	1	3		4		2	2	1	3	2
	Fem... 36	1	4	3	3	3	2		5	11	1		3	
Tawas City.....	Totals..	12	2		1	2	1	2	1			1		2
	Males..	8	1		1		1	1	1			1		2
	Fem... 4	1			2		1							
Three Rivers.....	Totals..	76	8	8	9	6	9	4	5	6	3	2	9	7
	Males..	32	5	4	4	2	1	2	1	2	2		3	6
	Fem... 44	3	4	5	4	8	2	4	4	1	2	6	1	
Traverse City..	Totals..	250	16	11	29	31	14	13	19	17	28	25	23	24
	Males..	147	8	8	16	16	9	10	11	16	17	10	8	18
	Fem... 103	8	3	13	15	5	3	8	1	11	15	15	6	
West Branch.....	Totals..	15	1			1	1	1		5	1	3	1	1
	Males..	8					1			3	1	1	1	1
	Fem... 7	1			1		1		2		2			
Whittemore.....	Totals..													
	Males..													
	Fem... 13													
Wyandotte.....	Totals..	142	10	14	9	11	10	15	19	9	15	15	10	5
	Males..	80	4	7	4	5	8	9	13	5	10	11	2	2
	Fem... 62	6	7	5	6	2	6	6	6	4	5	4	8	3
Yale.....	Totals..	17			3	1	3	3	1	2		2	1	1
	Males..	4			2		1		1					
	Fem... 13			1	1	2	3			2		2	1	1
Ypsilanti.....	Totals..	93	8	7	11	11	5	8	11	4	8	6	5	9
	Males..	50	2	6	6	7	2	6	2	1	4	3	4	7
	Fem... 43	6	1	5	4	4	3	2	9	3	4	3	1	2
Zeeland.....	Totals..	24	1	2	1	6		4	2	2	2	2	1	1
	Males..	13	1	1		4		2		2	2			1
	Fem... 11		1	1	2			2	2		2	2	1	

VITAL STATISTICS OF MICHIGAN, 1911.

Table II—Deaths in Michigan, by ages, counties and

State and counties.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
STATE.....	Totals.....	38,007	7,131	1,108	521	339	258
	Males.....	20,900	4,098	592	281	168	142
	Females.....	17,107	3,033	516	246	171	116
Alcona.....	Totals.....	63	15	1	1	2	1
	Males.....	37	8	1	1	2	
	Females.....	26	7				1
Alger.....	Totals.....	68	37	3	1		
	Males.....	40	18	3	1		
	Females.....	28	19				
Allegan.....	Totals.....	508	74	15	8	3	1
	Males.....	265	39	9	6	2	1
	Females.....	243	35	6	2	1	
Alpena.....	Totals.....	286	85	10	4	4	1
	Males.....	154	49	4		2	1
	Females.....	132	36	6	4	2	
Antrim.....	Totals.....	206	37	8	2	3	3
	Males.....	120	22	5		2	2
	Females.....	86	15	3	2	1	1
Arenac.....	Totals.....	102	24	3	3	3	1
	Males.....	59	13	2	2	2	
	Females.....	43	11	1	1	1	1
Baraga.....	Totals.....	68	18		1		
	Males.....	47	13		1		
	Females.....	21	5				
Barry.....	Totals.....	297	42	7	4		
	Males.....	158	23	3	1		
	Females.....	139	19	4	3		
Bay.....	Totals.....	812	183	23	15	7	7
	Males.....	442	118	12	9	1	4
	Females.....	370	65	11	6	6	3
Benzie.....	Totals.....	143	32	3	2	1	
	Males.....	76	14	2	2		
	Females.....	67	18	1		1	
Berrien.....	Totals.....	682	86	17	7	5	5
	Males.....	388	56	8	2	3	4
	Females.....	294	30	9	5	2	1
Branch.....	Totals.....	353	30	6	2	2	1
	Males.....	203	15	4	1	1	1
	Females.....	150	15	2	1	1	
Calhoun.....	Totals.....	846	108	11	3	3	3
	Males.....	460	63	8	2	2	1
	Females.....	386	45	3	1	1	2
Cass.....	Totals.....	309	40	12	1	1	1
	Males.....	157	22	6			1
	Females.....	152	18	6	1	1	
Charlevoix.....	Totals.....	238	55	11	5	6	
	Males.....	135	30	6	3	5	
	Females.....	103	25	5	2	1	
Cheboygan.....	Totals.....	215	58	4	2	5	1
	Males.....	127	37	3	2	2	1
	Females.....	88	21	1		3	
Chippewa.....	Totals.....	263	68	7	6	5	4
	Males.....	157	44	3	3	3	2
	Females.....	106	24	4	3	2	2

sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																		Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +.		
9,357 5,281 4,076	834 447 387	621 349 272	902 503 399	1,338 672 666	1,391 718 673	1,266 634 632	1,286 647 639	1,272 697 575	1,519 847 672	1,818 1,030 788	1,899 1,082 817	2,261 1,288 973	2,689 1,492 1,197	3,038 1,667 1,371	2,752 1,523 1,229	3,720 1,986 1,734	44 37	
20 12 8	5 3 2	3 2 1	4 2 2	1 1 1	2 2 2	3 1 1	2 1 1	3 3 3	1 1 1	2 2 2	4 3 1	6 3 3	2 1 1	4 2 2	4 4 4	2 2 2	...	
22 41 19	1 1 1	1 2 1	2 2 1	2 1 1	2 1 1	1 1 1	2 1 2	1 1 2	2 1 1	2 1 1	1 1 1	1 1 1	4 2 2	3 3 3	1 1 1	2 2 2	...	
101 57 44	7 5 2	10 4 6	12 8 4	15 5 10	9 6 3	14 7 7	8 2 6	15 5 10	24 9 15	14 9 5	28 11 17	24 14 10	49 24 25	59 34 25	53 26 27	66 39 27	...	
104 56 48	4 3 1	4 6 4	9 6 3	16 10 6	9 3 6	8 1 7	6 9 5	9 4 5	11 11 6	12 6 6	9 6 3	18 11 7	16 8 8	16 12 4	11 6 5	24 16 8	...	
53 31 22	6 4 4	4 2 2	7 7 3	7 3 4	7 1 6	7 3 4	6 2 4	8 3 5	8 4 4	10 5 5	14 10 8	13 8 5	11 8 3	15 11 4	13 11 2	17 12 5	...	
34 19 15	7 3 4	4 4 2	4 2 2	7 4 3	1 1 2	3 1 2	2 1 2	4 4 1	3 2 1	3 3 1	3 2 1	1 1 1	3 2 2	6 4 3	7 3 3	6 3 5	11 1 1	
19 14 5	1 2 1	2 2 1	3 2 1	2 2 1	4 4 1	3 2 1	5 2 2	3 3 2	4 3 1	4 3 1	2 1 1	3 2 1	2 1 1	5 4 1	1 1 1	4 4 4	...	
53 27 26	1 7 1	5 3 2	4 3 1	3 3 3	7 4 3	2 2 3	14 6 8	7 4 3	6 2 4	15 5 10	8 4 4	26 14 12	29 16 13	37 24 13	33 17 16	44 22 22	...	
235 144 91	24 8 10	18 8 10	28 12 14	25 12 13	40 16 24	25 14 7	24 15 10	28 16 13	35 19 19	44 25 25	39 25 14	49 26 23	45 23 22	41 14 27	50 29 21	62 35 27	...	
38 18 20	3 2 2	3 2 1	2 1 1	5 2 3	7 5 2	2 2 5	4 1 3	3 2 1	8 6 4	8 5 2	6 5 3	10 5 1	10 3 3	10 5 5	6 3 3	15 7 8	...	
120 73 47	16 8 8	12 8 4	14 5 9	29 15 14	21 10 11	14 8 6	24 11 13	27 16 8	18 11 9	27 18 16	33 23 10	57 39 18	50 26 24	76 36 40	57 32 25	77 46 31	4 3 1	
41 22 19	3 1 2	3 1 2	6 4 2	12 6 6	7 2 5	5 2 2	4 3 2	5 2 3	9 2 7	20 12 8	20 13 7	31 16 15	35 22 13	53 30 23	47 34 13	52 31 21	...	
20 13 7	17 8 9	16 10 6	25 12 12	27 12 15	21 13 8	25 13 14	29 14 15	27 12 15	30 16 14	53 36 17	65 37 28	66 39 27	61 33 28	87 47 40	57 23 34	112 60 52	...	
15 7 8	9 7 2	5 2 3	11 5 6	7 4 3	6 1 5	4 2 2	7 3 4	9 5 5	8 5 3	13 7 6	11 7 4	19 8 11	25 12 13	34 18 16	39 21 18	46 11 25	1 1 ...	
77 44 33	11 6 5	9 6 3	3 2 1	6 3 3	9 3 6	7 3 3	10 1 9	7 5 2	11 6 7	10 6 4	9 7 2	10 8 2	21 15 6	11 5 6	8 3 5	18 12 6	1 1 ...	
70 45 25	3 1 2	3 2 1	8 4 4	3 3 3	10 5 5	1 1 5	6 4 2	9 3 6	9 6 3	14 8 6	11 6 5	13 9 4	16 9 7	17 11 6	13 7 6	8 5 3	1 1 ...	
90 55 35	8 4 4	2 2 ...	11 7 4	7 1 6	8 5 3	11 4 7	11 8 7	11 6 3	13 6 7	13 10 3	13 7 6	19 12 7	9 6 3	14 10 4	11 9 2	12 7 5	7 7 ...	

Table II.—Continued.—Deaths in Michigan, by ages, counties

Counties.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Clare.....	Totals.....	97	15	3	3	.....	1
	Males.....	57	13	2	3	.....	.....
	Females.....	40	2	1	.....	.....	1
Clinton.....	Totals.....	302	21	4	1	4	1
	Males.....	162	12	1	1	1	1
	Females.....	140	9	3	.....	3	.....
Crawford.....	Totals.....	48	8	3	.....	.....	.....
	Males.....	30	4	1	.....	.....	.....
	Females.....	18	4	2	.....	.....	.....
Delta.....	Totals.....	350	97	10	7	4	5
	Males.....	211	60	3	5	1	4
	Females.....	139	37	7	2	3	1
Dickinson.....	Totals.....	205	71	8	6	2	3
	Males.....	126	45	4	5	2	1
	Females.....	79	26	4	1	.....	2
Eaton.....	Totals.....	440	46	6	3	1	1
	Males.....	230	27	4	1	1	.....
	Females.....	210	19	2	2	.....	1
Emmet.....	Totals.....	217	33	4	3	2	1
	Males.....	121	21	4	3	1	1
	Females.....	96	12	.....	.....	1	.....
Genesee.....	Totals.....	802	149	15	12	10	6
	Males.....	416	82	6	6	5	3
	Females.....	386	67	9	6	5	3
Gladwin.....	Totals.....	91	26	3	2	1	.....
	Males.....	47	13	1	2	.....	.....
	Females.....	44	13	2	.....	1	.....
Gogebic.....	Totals.....	242	75	19	7	4	3
	Males.....	154	49	8	3	1	1
	Females.....	88	26	11	4	3	2
Grand Traverse.....	Totals.....	369	48	7	3	.....	1
	Males.....	214	29	5	1	.....	1
	Females.....	155	19	2	2	.....	.....
Gratiot.....	Totals.....	343	52	2	2	5	1
	Males.....	189	20	.....	.....	4	.....
	Females.....	154	32	2	2	1	1
Hillsdale.....	Totals.....	416	48	4	4	2	.....
	Males.....	205	28	2	2	.....	.....
	Females.....	211	20	2	2	2	.....
Houghton.....	Totals.....	998	282	53	27	17	9
	Males.....	583	165	18	10	11	5
	Females.....	415	117	35	17	6	4
Huron.....	Totals.....	383	91	13	3	2	2
	Males.....	208	41	8	2	1	.....
	Females.....	175	50	5	1	1	2
Ingham.....	Totals.....	637	88	9	8	3	3
	Males.....	336	49	6	5	.....	1
	Females.....	301	39	3	3	3	2
Ionia.....	Totals.....	427	49	5	5	4	.....
	Males.....	237	32	3	3	4	.....
	Females.....	190	17	2	2	.....	.....
Iosco.....	Totals.....	89	22	2	1	.....	.....
	Males.....	58	15	2	1	.....	.....
	Females.....	31	7	.....	.....	.....	.....

and sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																		Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
22 18 4	..... ..... 4	4 4	1 1	2 2	4 2 2	6 3 3	..... ..... .....	1 1	6 3 3	4 2 2	3 1 2	3 3	14 8 22	6 2 4	9 6 3	11 7 4	1 1
31 16 15	7 3 4	6 5 1	4 2 2	5 2 3	9 3 6	8 5 3	4 3 1	8 2 6	6 3 3	14 7 7	15 9 6	20 10 10	22 10 12	39 21 18	41 26 15	63 35 28	..... ..... .....
11 5 6	4 3 1	2 2	1 1	1 1	4 2 2	1 1	4 2 2	2 1 1	4 3 .....	..... ..... .....	..... ..... .....	3 2 1	4 3 1	1 ..... .....	..... ..... .....	6 4 2	..... ..... .....
123 73 50	11 5 6	8 6 2	12 8 4	20 11 9	15 8 7	16 13 3	11 4 7	15 11 4	14 9 5	16 8 8	19 11 8	15 10 5	12 9 3	13 8 5	10 6 4	19 10 9	1 1	
90 57 33	9 7 2	5 2 3	5 2 3	4 1 3	10 6 4	5 2 3	8 4 4	3 2 1	9 6 3	13 12 1	9 7 2	7 5 2	7 3 6	6 4 2	4 3 1	8 2 6	1	
57 33 24	6 4 2	6 1 5	10 6 4	10 2 8	6 4 2	7 3 4	13 6 7	18 11 7	16 7 9	23 11 12	25 15 10	33 18 15	48 26 22	49 25 24	48 24 24	65 34 31	..... ..... .....
43 30 13	6 3 3	7 5 2	7 3 4	8 5 3	13 9 4	8 3 5	7 1 6	7 3 4	8 6 2	17 7 10	8 5 3	12 8 4	11 7 10	15 7 8	20 13 7	9 2 7	1 1	
192 102 90	14 9 5	10 5 5	18 10 8	37 15 22	16 8 8	26 10 16	25 14 11	26 10 16	26 13 13	36 19 17	39 20 19	51 26 25	43 23 20	72 38 34	82 47 35	89 49 42	..... ..... .....
32 16 16	3 2 1	4 2 2	1 1	..... ..... .....	3 1 2	3 2	3 2 1	1 1	3 1 2	5 4 1	5 1 3	4 1 3	3 1 2	7 4 3	5 4 1	9 5 4	..... ..... .....
108 62 46	6 2 4	3 2 1	7 3 4	19 12 7	16 13 3	15 8 7	13 10 3	10 7 3	8 7 1	7 6 1	6 5 1	10 8 2	2 1 1	5 4 1	3 2 1	3 1 2	1	
59 36 23	6 3 3	3 2 1	3 3	16 10 6	15 3 12	19 7 7	10 7 3	16 10 6	14 5 9	32 24 8	24 13 11	32 24 8	28 14 14	38 23 15	25 15 10	29 13 16	..... ..... .....
62 24 38	5 3 3	4 1 3	9 4 5	10 4 6	7 3 4	13 9 4	17 8 9	15 8 7	11 7 4	15 10 5	17 10 7	14 20 4	33 19 13	31 19 12	27 17 10	53 33 20	..... ..... .....
58 32 26	9 5 4	8 3 5	9 3 6	7 2 5	11 7 4	10 4 6	11 2 9	7 4 3	14 6 8	20 8 12	29 14 15	27 21 13	40 18 19	40 18 22	55 28 27	60 33 27	1	
388 209 179	38 20 18	21 16 5	28 18 10	47 27 20	48 36 12	40 24 16	53 29 24	37 25 12	46 25 21	41 20 12	38 28 18	38 22 16	34 22 15	36 22 14	33 22 11	32 20 12	..... ..... .....
111 52 59	9 5 4	8 6 2	10 6 4	14 9 5	15 8 7	11 7 4	4 3 1	9 7 2	7 5 2	21 10 11	15 9 6	17 8 9	20 10 10	36 18 18	29 17 12	46 28 18	1 1	
111 61 50	11 7 4	6 6	13 7 6	28 18 10	22 12 10	14 8 6	14 3 11	25 14 11	16 6 10	25 14 11	41 24 17	38 20 18	56 33 23	68 36 32	59 28 31	90 39 51	..... ..... .....
63 42 21	2 2	4 1 3	7 3 4	10 4 6	11 7 4	9 5 4	14 4 10	11 4 7	16 9 7	18 9 9	23 15 8	25 13 12	41 21 20	52 31 21	56 27 29	65 40 25	..... ..... .....
25 18 7	1 1	2 2	3 3	1 1	1 1	1 1	6 1	1 1	1	6 3	3 2	6 4 2	3 3	6 3 3	7 6 1	14 11 8	2 1 1	

Table II.—Continued.—Deaths in Michigan, by ages, counties

Counties.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Iron	Totals.....	187	63	6	5	3	.....
	Males.....	119	36	4	2	1	.....
	Females.....	68	27	2	3	2	.....
Isabella	Totals.....	220	44	9	4	3	2
	Males.....	124	16	7	4	3	1
	Females.....	96	28	2	.....	.....	1
Jackson	Totals.....	714	82	15	6	1	6
	Males.....	407	55	9	5	1	6
	Females.....	307	27	6	1	.....	.....
Kalamazoo	Totals.....	967	90	23	7	5	4
	Males.....	494	56	9	4	2	1
	Females.....	473	34	14	3	3	3
Kalkaska	Totals.....	95	23	8	4	1	.....
	Males.....	52	17	2	.....	.....	.....
	Females.....	43	6	6	4	1	.....
Kent.....	Totals.....	2,404	359	74	37	16	19
	Males.....	1,351	209	40	14	9	16
	Females.....	1,053	150	34	23	7	3
Keweenaw	Totals.....	99	35	7	4	1	2
	Males.....	50	14	2	2	.....	2
	Females.....	49	21	5	2	1	.....
Lake.....	Totals.....	60	8	.....	.....	.....	1
	Males.....	36	4	.....	.....	.....	.....
	Females.....	24	4	.....	.....	.....	1
Lapeer.....	Totals.....	377	46	7	.....	2	2
	Males.....	203	30	3	.....	1	1
	Females.....	174	16	4	.....	1	1
Leelanau	Totals.....	144	33	6	.....	.....	.....
	Males.....	69	19	3	.....	.....	.....
	Females.....	75	14	3	.....	.....	.....
Lenawee.....	Totals.....	625	63	11	2	1	2
	Males.....	327	36	7	1	.....	1
	Females.....	298	27	4	1	1	1
Livingston	Totals.....	242	31	6	1	1	1
	Males.....	138	21	3	1	1	1
	Females.....	104	10	3	.....	.....	.....
Luce.....	Totals.....	84	11	2	1	.....	2
	Males.....	62	9	1	1	.....	2
	Females.....	22	2	1	.....	.....	.....
Mackinac	Totals.....	97	31	1	1	1	.....
	Males.....	47	15	1	.....	.....	.....
	Females.....	50	16	.....	1	1	.....
Macomb.....	Totals.....	484	56	7	5	3	2
	Males.....	260	29	6	3	1	1
	Females.....	224	27	1	2	2	1
Manistee.....	Totals.....	331	56	10	3	2	4
	Males.....	183	28	3	1	1	3
	Females.....	148	28	7	2	1	1
Marquette.....	Totals.....	638	157	31	9	6	7
	Males.....	373	87	14	3	2	4
	Females.....	265	70	17	6	4	3
Mason.....	Totals.....	242	36	6	1	4	4
	Males.....	124	15	6	1	1	2
	Females.....	118	21	3	2

DEATHS.

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and sex, during the year 1911. (Stillbirths excluded)

Ages in five-year periods.																		Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
77 43 34	4 1 3	2 1 1	10 6 4	7 6 1	10 7 3	14 13 1	9 5 4	4 4	6 5 1	8 6 2	13 9 4	5 2 3	4 3 1	4 1 3	3 2 1	6 4 2	1	
62 31 31	8 4 4	2 2	6 6	7 2 5	6 3 3	6 2 4	4 1 3	6 3 3	3 2 1	7 4 3	13 8 5	19 8 11	14 11 3	15 8 7	14 12 2	28 17 11	.....
110 76 34	15 9 6	13 5 8	13 4 9	16 5 11	24 14 10	21 11 10	21 15 6	27 12 15	33 14 19	27 18 9	40 25 15	58 34 24	67 34 33	61 37 24	77 43 34	90 50 40	1	
129 72 57	9 5 4	8 4 4	26 15 11	31 17 14	36 19 17	38 20 18	46 17 29	37 12 25	42 23 19	62 37 25	74 40 34	79 38 41	90 47 43	93 51 42	71 36 35	95 40 55	1	
36 19 17	2 1 1	2 1 1	2 1 1	4 3 1	2 1 1	3 3	3	2 2	2 2	6 4 2	2 1 1	5 2 3	5 2 3	10 7 3	3 2 1	5 2 3	1	
505 288 217	48 25 23	39 23 16	39 18 21	74 32 42	86 45 41	92 45 47	70 35 35	77 50 27	93 52 41	100 58 42	131 66 65	172 93 79	168 103 65	240 145 95	198 113 85	270 158 112	2	
50 20 30	6 4 2	1 1	1 1	5 3 2	5 3 2	3 1 2	4 1 3	6 6 .....	..... ..... .....	1 1 2	4 2 2	4 1 3	4 2 2	3 3	2 1 1	1 1 .....	.....
9 4 5	1 1 1	2 1 1	3 1 2	1 1	..... ..... .....	3 2 1	1 1	1 1 2	2 2	2 2	2 1 1	6 3 3	5 4 1	4 6 1	7 4 3	6 3 3	.....
57 35 22	1 1	11 6 5	8 4 4	10 7 3	12 7 5	7 5 2	7 4 3	9 6 3	14 3 11	16 12	13 8 5	38 21 17	33 17 16	38 24 14	40 24 16	62 28 34	1	
39 22 17	6 4 2	4 2 2	5 3 3	7 3 4	5 5	5 2 3	9 4 5	1 1	5 3 3	4 3 1	5 2 3	4 1 3	7 4 3	16 8 8	5 2 3	17 10 7	.....
79 45 34	9 8 1	10 7 3	19 7 12	13 7 6	17 5 12	16 5 11	13 5 8	19 8 11	27 11 16	29 17 12	34 18 16	35 18 17	60 39 27	80 45 35	74 32 42	91 50 41	.....
40 27 13	3 3	5 2 2	2 2	5 1 4	3 1 2	9 5 4	6 3 3	8 4 4	6 6	6 5 1	9 7 2	16 11 5	23 11 14	29 17 12	32 19 13	39 15 24	1	
16 13 3	..... ..... .....	..... ..... .....	4 2 2	3 2 1	7 5 2	7 5 2	6 5	9 8 1	6 5 1	5 3 2	6 4 2	1 1	7 5 2	4 1 3	..... ..... .....	3 1	.....
34 16 18	2 1 1	3 1 2	4 2 2	1 1	5 2 3	3 3	6 1 5	3 1 2	5 2 3	5 3 3	2 1	5 5	2 2	6 3 3	4 2 2	6 2 2	.....
73 40 33	20 12 8	7 2 5	8 6 2	13 6 7	27 13 14	17 6 11	9 2 7	19 13 6	14 5 9	12 8 4	21 12 9	34 22 12	40 17 23	41 22 19	44 27 17	85 47 38	.....
75 36 39	11 5 6	5 4 1	21 12 9	15 7 8	11 5 6	10 6 4	9 5 4	10 6 4	11 10 1	20 9 11	12 8 4	20 14 6	29 15 14	22 12 8	18 9 9	32 18 14	.....
210 110 100	20 9 11	11 6 5	21 15 6	38 25 13	43 30 13	25 15 10	19 10 9	23 21 2	27 20 7	33 18 15	28 21 7	26 17 9	36 17 19	33 16 17	20 9 11	25 14 11	.....
51 25 26	12 5 7	9 4 5	8 4 4	13 8 5	10 6 4	4 1 3	10 6 4	8 4 4	13 9 4	7 6 1	14 7 7	12 5 7	25 12 13	17 8 9	10 4 6	19 10 9	.....

Table II.—Continued.—Deaths in Michigan, by ages, counties

Counties.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Mecosta	Totals	250	33	6	2	1	.....
	Males	133	18	3	2	.....	.....
	Females	117	15	3	.....	1	.....
Menominee	Totals	271	81	14	7	2	2
	Males	158	52	8	4	1	1
	Females	113	29	6	3	1	1
Midland	Totals	166	29	5	.....	3	1
	Males	87	15	2	.....	2	.....
	Females	79	14	3	.....	1	1
Missaukee	Totals	93	26	7	3	.....	.....
	Males	51	15	4	3	.....	.....
	Females	42	11	3	.....	.....	.....
Monroe	Totals	452	65	8	3	3	3
	Males	251	34	5	2	1	2
	Females	201	31	3	1	2	1
Montcalm	Totals	445	59	5	7	3	3
	Males	234	35	3	4	1	2
	Females	211	24	2	3	2	1
Montmorency	Totals	35	6	1	1	.....	.....
	Males	27	5	.....	.....	.....	.....
	Females	8	1	1	.....	.....	.....
Muskegon	Totals	556	87	16	10	2	2
	Males	301	51	5	5	2	.....
	Females	255	36	11	5	.....	2
Newaygo	Totals	223	34	12	2	1	2
	Males	122	20	8	1	.....	.....
	Females	101	14	4	1	1	2
Oakland	Totals	805	76	7	7	3	4
	Males	448	46	4	3	2	2
	Females	357	30	3	4	1	2
Oceana	Totals	204	38	8	2	.....	1
	Males	119	22	4	1	.....	.....
	Females	85	16	4	1	.....	1
Ogemaw	Totals	91	24	3	3	2	.....
	Males	47	9	2	3	1	.....
	Females	44	15	1	.....	1	.....
Ontonagon	Totals	100	28	3	2	1	1
	Males	61	20	2	1	.....	.....
	Females	39	8	1	1	1	1
Osceola	Totals	192	38	5	6	.....	1
	Males	108	18	5	4	.....	1
	Females	84	20	.....	2	.....	.....
Oscoda	Totals	17	5	1	.....	.....	.....
	Males	10	3	.....	.....	.....	.....
	Females	7	2	1	.....	.....	.....
Otsego	Totals	91	8	4	3	.....	1
	Males	49	4	2	1	.....	1
	Females	42	4	2	2	.....	.....
Ottawa	Totals	562	87	16	6	3	5
	Males	290	55	12	3	2	2
	Females	272	32	4	3	1	3
Presque Isle	Totals	134	53	5	1	.....	1
	Males	81	35	3	1	.....	.....
	Females	53	18	2	.....	.....	1

and sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																		Unknown.
Under 5 years.	5 to 9	10 to 14.	15 to 19	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
42	7	3	8	12	1	4	10	8	13	4	11	21	38	16	22	29	1	
23	5	2	6	6	1	4	3	4	6	3	7	13	20	9	11	14	1	
19	2	1	2	6	1	4	7	4	7	1	4	8	18	7	11	15	1	
106	11	3	11	4	9	9	15	5	11	13	11	12	9	19	12	10	1	
66	5	1	8	1	4	6	5	4	7	8	10	5	3	13	8	3	1	
40	6	2	3	3	5	3	10	1	4	5	1	7	6	6	4	7	1	
38	3	4	8	4	5	7	1	3	1	7	6	10	21	10	18	20	1	
19	1	1	4	4	1	1	1	2	1	3	5	6	14	4	14	11	1	
19	2	3	4	4	4	6	1	1	1	4	1	4	7	6	4	9	1	
36	5	2	.....	3	2	1	2	2	2	10	3	3	5	7	4	6	1
22	3	1	.....	1	1	1	2	2	2	5	2	2	5	4	2	2	1
14	2	1	.....	3	1	1	2	2	2	5	1	1	.....	3	2	4	1
82	5	9	12	11	12	10	14	10	14	11	24	32	36	36	54	79	1	
44	1	4	4	4	8	5	9	4	7	4	14	20	21	19	35	47	1	
38	4	5	8	7	4	5	5	6	7	7	10	12	15	17	19	32	1	
77	13	13	15	20	13	14	10	15	15	14	24	33	31	39	45	53	1	
45	4	9	8	9	1	6	3	8	9	10	16	20	11	24	27	23	1	
32	9	4	7	11	12	8	7	7	6	4	8	13	20	15	18	30	1	
8	.....	.....	1	2	1	1	.....	1	1	.....	1	4	4	3	4	3	1
5	.....	.....	.....	1	1	1	.....	1	1	.....	1	4	3	2	3	3	1
3	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	1
117	9	6	20	19	19	16	18	19	19	28	29	38	63	53	28	55	1	
63	5	3	10	11	11	6	8	12	14	18	14	20	37	31	13	25	1	
54	4	3	10	8	8	10	10	7	5	10	15	18	26	22	15	30	1	
51	2	2	6	7	8	8	8	4	10	8	16	17	11	25	16	24	1	
29	.....	.....	4	3	5	3	4	2	5	6	7	10	4	13	11	14	1
22	2	2	2	4	3	5	4	2	5	2	9	7	7	4	5	10	1	
97	15	14	9	24	30	24	31	30	39	39	61	66	61	79	97	88	1	
57	10	7	5	10	13	16	17	15	20	22	37	37	33	41	57	50	1	
40	5	7	4	14	17	8	14	15	19	17	27	29	28	38	40	38	1	
49	5	2	4	5	5	6	7	5	12	13	14	9	11	15	17	25	1	
27	3	1	1	3	2	3	4	2	4	9	9	7	5	10	12	17	1	
22	2	1	3	2	3	3	3	3	8	4	5	2	6	5	5	8	1	
32	.....	1	1	5	3	1	3	1	2	2	7	7	5	7	7	6	1
15	.....	.....	.....	.....	.....	1	1	1	1	.....	5	6	4	5	5	2	1
17	.....	1	1	5	3	.....	2	.....	1	2	2	1	1	2	2	4	1
35	2	4	.....	5	2	4	8	3	6	3	8	2	1	5	4	8	1
23	1	1	.....	2	1	2	4	1	6	2	7	1	1	2	2	5	1
12	1	3	.....	3	1	2	4	2	.....	1	1	1	.....	3	2	3	1
50	2	3	2	4	7	9	5	.....	7	12	13	7	13	23	19	16	1
28	2	3	1	3	3	4	1	.....	4	7	9	5	8	12	11	7	1
22	.....	.....	1	1	4	5	4	.....	3	5	4	2	5	11	8	9	1
6	.....	.....	.....	.....	1	1	.....	1	1	.....	3	1	1	1	.....	1	1
3	.....	.....	.....	.....	1	1	.....	1	1	.....	1	1	1	1	.....	1	1
3	.....	.....	.....	.....	.....	1	.....	1	.....	.....	2	.....	.....	.....	.....	.....	1
16	3	4	6	3	2	5	5	4	4	4	3	2	12	6	3	9	1	
8	1	2	2	1	1	2	2	2	3	3	3	2	9	3	1	5	1	
8	2	3	4	2	1	3	3	2	1	1	.....	.....	3	3	2	4	1
117	7	14	15	22	24	18	8	16	14	23	32	32	43	51	61	64	1	
74	4	6	8	6	14	4	3	10	6	15	18	16	26	25	28	26	1	
43	3	8	7	16	10	14	5	6	8	8	14	16	17	26	33	38	1	
60	1	1	3	6	3	5	2	4	3	4	4	4	9	6	9	9	1	
39	.....	1	2	4	2	3	1	2	2	1	3	3	4	2	7	4	1
21	1	.....	1	2	1	2	1	2	1	3	1	1	5	4	2	5	1

Table II.—Concluded.—Deaths in Michigan, by ages, counties

Counties.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Roscommon	Totals	22	3	—	—	—	—
	Males	14	2	—	—	—	—
	Females	8	1	—	—	—	—
Saginaw	Totals	1,129	204	21	17	15	12
	Males	624	114	12	10	1	6
	Females	505	90	9	7	14	6
St. Clair	Totals	687	118	11	5	3	10
	Males	375	73	7	2	2	4
	Females	312	45	4	3	1	6
St. Joseph	Totals	385	38	8	8	4	4
	Males	188	23	5	3	2	4
	Females	197	15	3	5	2	—
Sanilac	Totals	383	83	11	7	4	1
	Males	211	45	6	4	2	1
	Females	172	38	5	3	2	—
Schoolcraft	Totals	72	13	5	—	1	—
	Males	42	9	3	—	1	—
	Females	30	4	2	—	—	—
Shiawassee	Totals	419	64	9	2	3	4
	Males	217	33	6	1	1	4
	Females	202	31	3	1	2	—
Tuscola	Totals	437	70	5	7	6	1
	Males	227	38	5	3	2	1
	Females	210	32	—	4	4	—
Van Buren	Totals	486	59	9	3	4	—
	Males	260	35	4	2	2	—
	Females	226	24	5	1	2	—
Washtenaw	Totals	700	58	20	7	8	3
	Males	352	36	14	3	5	1
	Females	348	22	6	4	3	2
Wayne	Totals	8,402	2,147	332	141	104	72
	Males	4,624	1,212	176	79	55	33
	Females	3,778	935	156	62	49	39
Wexford	Totals	273	60	11	5	2	—
	Males	161	36	5	5	1	—
	Females	112	24	6	—	1	—

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and sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																	Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
3	2	1			2	2	2	2	2	2	2	2	3	2	2	2	..
1					2	2	2	2	1	2	2	1	1	1	1	1	..
269	24	18	16	40	42	37	40	39	46	61	51	68	82	99	91	103	3
143	11	11	9	24	21	15	28	18	26	30	26	39	52	58	46	65	2
126	13	7	7	16	21	22	12	21	20	31	25	29	30	41	45	38	1
147	12	12	12	19	18	26	24	28	19	27	34	32	51	69	62	95	..
88	9	8	8	9	7	10	8	10	10	13	20	18	28	38	37	54	..
59	3	4	4	10	11	16	16	18	9	14	14	14	23	31	25	41	..
62	5	4	7	10	8	5	7	10	17	15	17	25	39	46	39	69	..
37	3	2	3	6	2	1	2	3	7	6	12	10	22	25	16	31	..
25	2	2	4	4	6	4	5	7	10	9	5	15	17	21	23	38	..
106	4	12	2	6	10	13	11	5	13	17	14	21	36	40	38	35	..
58	1	6	2	2	6	5	7	2	7	9	9	12	22	22	19	19	..
48	3	6		4	4	8	4	3	6	8	5	9	14	18	16	16	..
19	1	1	3	5	3	1	7	3	5	3	2	1	7	4	2	5	..
13	1	1	1	4	3	1	1	1	2	2	2	1	5	2	2	1	..
6			2	1		1	6	2	3	1			2	2		4	..
82	8	6	3	11	17	10	12	11	15	15	22	27	38	53	27	62	..
45	5	3	2	3	5	6	7	5	10	8	10	13	24	27	16	28	..
37	3	3	1	8	12	4	5	6	5	7	12	14	14	26	11	34	..
89	3	9	13	6	6	16	12	20	20	25	19	21	32	36	41	69	..
49	1	6	8	2	3	5	4	8	9	13	10	9	13	22	22	43	..
40	2	3	5	4	3	11	8	12	11	12	9	12	19	14	19	26	..
75	11	4	11	19	9	9	10	7	18	25	18	33	43	62	39	93	..
43	5	3	6	9	5	4	6	2	6	11	10	19	25	33	19	54	..
32	6	1	5	10	4	5	4	5	12	14	8	14	18	29	20	39	..
96	11	10	18	19	30	21	25	38	27	41	39	54	67	62	59	83	..
59	5	6	11	9	11	8	9	16	5	20	15	30	39	33	31	45	..
37	6	4	7	10	19	13	16	22	22	21	24	24	28	29	28	38	..
2,796	219	105	188	359	381	349	347	320	407	443	376	397	456	421	374	458	6
1,555	119	57	117	191	198	184	203	186	259	256	200	223	243	209	195	223	6
1,241	100	48	71	168	183	165	144	134	148	187	176	174	213	212	179	235	..
78	1	6	8	9	13	3	9	8	12	22	14	25	16	15	15	18	1
47	1	5	4	5	8	2	4	7	7	10	8	18	10	7	9	8	1
31	....	1	4	4	5	1	5	1	5	12	6	7	6	8	6	10	..

Table IIa.—Deaths in cities of Michigan, by ages

Cities.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
ALL CITIES.....	Totals.....	19,467	3,944	601	267	194	145
	Males.....	10,587	2,280	306	143	83	82
	Females.....	8,880	1,664	295	124	111	63
Adrian.....	Totals.....	152	15	1	1	1	.....
	Males.....	84	9	1	1	.....	.....
	Females.....	68	6	.....	.....	1	.....
Albion.....	Totals.....	87	17	.....	2	.....	.....
	Males.....	45	9	.....	1	.....	.....
	Females.....	42	8	.....	1	.....	.....
Allegan.....	Totals.....	53	2	2	2	.....	.....
	Males.....	22	1	1	2	.....	.....
	Females.....	31	1	1	.....	.....	.....
Alma.....	Totals.....	34	5	.....	.....	1	.....
	Males.....	18	2	.....	.....	1	.....
	Females.....	16	3	.....	.....	.....	.....
Alpena.....	Totals.....	216	66	10	2	2	1
	Males.....	111	39	4	.....	.....	1
	Females.....	105	27	6	2	2	.....
Ann Arbor.....	Totals.....	336	34	6	4	6	2
	Males.....	173	21	4	3	3	1
	Females.....	163	13	2	1	3	1
Au Gres.....	Totals.....	9	1	.....	1	1	.....
	Males.....	6	1	.....	1	1	.....
	Females.....	3	.....	.....	.....	.....	.....
Au Sable.....	Totals.....	8	2	.....	1	.....	.....
	Males.....	6	1	.....	1	.....	.....
	Females.....	2	1	.....	.....	.....	.....
Bad Axe.....	Totals.....	32	2	.....	.....	.....	.....
	Males.....	17	2	.....	.....	.....	.....
	Females.....	15	.....	.....	.....	.....	.....
Bay City.....	Totals.....	563	121	15	7	6	3
	Males.....	297	77	6	2	1	1
	Females.....	266	44	9	5	5	2
Battle Creek.....	Totals.....	399	44	7	.....	2	3
	Males.....	211	25	5	.....	1	1
	Females.....	188	19	2	.....	1	2
Beaverton.....	Totals.....	14	3	1	.....	.....	.....
	Males.....	7	2	.....	.....	.....	.....
	Females.....	7	1	1	.....	.....	.....
Belding.....	Totals.....	37	5	1	.....	.....	.....
	Males.....	20	5	1	.....	.....	.....
	Females.....	17	.....	.....	.....	.....	.....
Benton Harbor.....	Totals.....	123	13	6	1	1	1
	Males.....	66	7	3	.....	.....	.....
	Females.....	57	6	3	1	1	1
Bessemer.....	Totals.....	49	13	4	2	2	1
	Males.....	32	8	2	1	.....	1
	Females.....	17	5	2	1	2	.....
Big Rapids.....	Totals.....	77	9	2	1	.....	.....
	Males.....	45	4	2	1
	Females.....	32	5
Boyne City.....	Totals.....	62	19	5	1	3
	Males.....	34	12	3	1	2
	Females.....	28	7	2	1

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and sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																	Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
5,151	467	308	469	806	818	745	753	753	875	1,051	1,013	1,135	1,262	1,315	1,099	1,432	15
2,894	246	163	263	409	421	383	405	435	504	607	583	608	662	705	566	722	11
2,257	221	145	206	397	397	362	348	318	371	444	430	527	600	610	533	710	4
18	7	3	6	4	3	8	4	7	9	10	6	5	16	20	9	17	..
11	7	2	3	3	2	2	1	3	3	8	5	1	11	11	4	7	..
7	1	1	3	1	1	6	3	4	6	2	1	4	5	9	5	10	..
19	1	1	1	6	3	2	1	3	1	4	6	5	9	6	5	14	..
10	1	1	1	2	2	2	1	1	1	3	2	2	4	4	3	6	..
9	1	1	1	4	1	1	1	2	1	1	3	3	5	2	2	8	..
6	2	1	1	3	1	2	1	4	3	1	2	2	9	6	3	7	..
4	1	1	1	3	1	1	1	2	2	1	1	2	3	3	2	4	..
2	1	1	1	3	1	1	1	2	2	1	1	2	6	3	1	3	..
6	3	3	3	3	1	3	2	3	1	1	1	2	1	3	1	4	..
3	2	2	2	3	1	2	1	2	1	1	1	1	1	3	1	3	..
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
81	4	3	5	10	8	6	5	7	8	9	8	11	13	14	8	16	..
44	3	3	3	5	5	6	1	4	2	4	5	5	6	10	5	12	..
37	1	3	2	5	6	6	4	3	6	5	3	6	7	4	3	4	..
52	6	4	11	15	16	13	16	27	19	23	24	22	20	17	25	26	..
32	2	2	7	7	8	5	4	13	3	13	14	15	11	13	11	12	..
20	4	2	4	8	10	8	12	14	16	10	10	7	9	4	11	14	..
3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
152	16	7	21	14	27	20	16	22	30	32	31	37	31	32	34	41	..
87	7	4	10	6	10	15	10	12	13	14	22	20	14	10	19	24	..
65	9	3	11	8	17	5	6	10	17	18	9	17	17	22	15	17	..
56	7	11	12	14	12	13	21	15	20	30	33	27	26	42	26	34	..
32	3	6	5	7	8	3	11	7	13	18	20	14	15	20	11	18	..
24	4	5	7	7	4	10	10	8	7	12	13	13	11	22	15	16	..
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
22	4	1	2	9	7	3	3	7	8	4	5	11	8	8	8	13	..
10	2	1	2	3	4	2	2	6	6	4	3	6	4	2	5	7	..
12	2	1	2	6	3	1	1	1	2	2	2	5	4	6	3	6	..
22	1	1	3	3	5	4	3	3	1	1	1	1	1	1	1	1	..
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
10	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	..
12	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
28	2	2	2	2	3	1	1	3	7	4	1	1	2	3	2	2	1
18	1	1	1	1	1	1	1	1	1	2	1	1	2	3	1	1	..
10	1	1	1	1	2	1	1	2	5	2	1	1	2	3	2	2	..

Table IIa.—Continued.—Deaths in cities of Michigan, by ages

Cities.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Brown City	Totals	9	1				
	Males	7	1				
	Females	2					
Cadillac	Totals	125	24	6	1		
	Males	75	15	2	1		
	Females	50	9	4			
Charlevoix	Totals	26	3				
	Males	19	2				
	Females	7	1				
Charlotte	Totals	69	8	1			
	Males	40	4	1			
	Females	29	4				
Cheboygan	Totals	73	19				
	Males	41	13				
	Females	32	6				
Clare	Totals	14					
	Males	5					
	Females	9					
Coleman	Totals	10		1			
	Males	5					
	Females	5		1			
Coldwater	Totals	98	6				
	Males	56	5				
	Females	42	1				
Corunna	Totals	23	2				1
	Males	10	2				1
	Females	13					
Croswell	Totals	21	6				
	Males	6	1				
	Females	15	5				
Crystal Falls	Totals	70	23	2	2		
	Males	47	13	2			
	Females	23	10		2		
Detroit	Totals	7,115	1,896	287	120	96	66
	Males	3,857	1,060	147	69	50	30
	Females	3,258	836	140	51	46	36
Dowagiac	Totals	74	11	3		1	
	Males	34	5	1			
	Females	40	6	2		1	
East Jordan	Totals	40	9				
	Males	23	4				
	Females	17	5				
East Lansing	Totals	4	1				
	Males	3					
	Females	1	1				
East Tawas	Totals	11	3	1			
	Males	7	1	1			
	Females	4	2				
Eaton Rapids	Totals	42	2	1			
	Males	20					
	Females	22	2	1			
Escanaba	Totals	181	41	6	2	2	3
	Males	118	25	2	1	1	2
	Females	63	16	4	1	1	1

and sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																	Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
					1				2	1	1		1	1	1		
					1				1	1				1			
31	1	4	2	6	7	4	1	4	8	12	5	9	5	8	7	11	
18	1	3	1	3	5	4		4	5	7	5	7	5	6	4	2	
13		1	1	3	2		1		3	7	3	2		2	3	9	
3		1			1	2	2	1	2	3	3		4	1	3	3	
2		1				2	1	1	1	1	3		3	1	1	3	
1					1		1			1			1		2		
9	1	2		3			3	2	2	5	6	6	6	7	4	15	
5	1	1	1	1			1	1	1	2	3	5	5	5	2	8	
4		1	1	2			2	1	1		2	3	1	2	2	7	
19	1			2	4	1	2	3	3	5	5	4	5	7	6	6	
13					2		1	1	1	3	1	1	2	6	2	5	
6	1			2	2		1	2		2	4	3	3	1	4	1	
			1	2		1					1	1	2	2	2	2	
			1	2		1					1	1	1	2	2	2	
1				1						1	1	2		1	1	2	
1				1						1		2		1	1	1	
											1			1		1	
6	1	1	2	6	3	1		2	4	5	6	5	11	18	12	15	
5	1	1	1	3	2				1	2	3	6	6	11	8	8	
1		1	1	3	1	1		2	3	3	1	2	5	7	4	7	
3	1	1			2		2		1	1	2	2	1	3	2	2	
3		1			2		2			1	1	1	1	3	2	1	
										1	1						
6	1				2		1			1		3	3	2	1	1	
1					1		1					1	1	2			
5	1				1					1		2	2	2		1	
27	1			4	3	6	2	2	3	3	5	2	4	3	2	3	
15	1			4	2	5	1	2	3	3	4	3	3	1	1	2	
12					1	1	1				1	2	1	2	1	1	
2,465	188	98	164	308	331	296	288	263	341	381	320	331	383	316	287	353	2
1,356	99	52	97	160	169	156	167	156	221	215	163	178	198	154	148	166	2
1,109	89	46	67	148	162	140	121	107	120	166	157	153	185	162	139	187	
15	2		3	2		1	3	4	2	5	2	4	5	9	9	8	
6	2		1	1				3	2	3	1	1	1	7	2	4	
9			2	1		1	3	1		2	1	3	4	2	7	4	
9	6	1		3	1		3	1		3	1	4	2	3		3	
4	4	1		2						2	1	3	1	2		2	
5	2			1	1		3			1		1	1	1		1	
1				1					1		1						
1				1					1			1					
4									1		1	1		2	1	1	
2									1					2			
2											1					1	
3	1	2	1	1	1		2	3	6	2	4	1	4	5	4	2	
	1				1		1	1	3		4	1	1	5	2	1	
3	2		1	1			2	2	3	2		3			2	1	
54	4	5	6	10	8	9	6	8	8	9	15	7	8	9	5	9	1
31	1	4	5	5	6	8	3	7	6	6	10	5	6	7	4	3	1
23	3	1	1	5	2	1	3	1	2	3	5	2	2	2	1	6	

VITAL STATISTICS OF MICHIGAN, 1911.

Table IIa.—Continued.—Deaths in cities of Michigan, by ages

Cities.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Flint	{ Totals	402	94	10	6	4	5
	{ Males	215	51	5	3	3	3
	{ Females	187	43	5	3	4	2
Gladstone	{ Totals	44	15	1	2	.....	.....
	{ Males	22	9	.....	1	.....	.....
	{ Females	22	6	1	1	.....	.....
Gladwin	{ Totals	13	1	.....	.....	.....	.....
	{ Males	7	1	.....	.....	.....	.....
	{ Females	6	.....	.....	.....	.....	.....
Grand Haven	{ Totals	76	6	1	1	1	.....
	{ Males	46	4	1	1	.....	.....
	{ Females	30	2	.....	.....	1	.....
Grand Ledge	{ Totals	51	9	1	.....	.....	.....
	{ Males	30	6	1	.....	.....	.....
	{ Females	21	3	.....	.....	.....	.....
Grand Rapids	{ Totals	1,581	270	60	23	11	12
	{ Males	838	156	32	8	6	11
	{ Females	743	114	28	15	5	1
Greenville	{ Totals	57	6	.....	1	1	.....
	{ Males	32	4	.....	.....	.....	.....
	{ Females	25	2	.....	1	1	.....
Hancock	{ Totals	138	24	6	3	3	.....
	{ Males	83	12	2	.....	1	.....
	{ Females	55	12	4	3	2	.....
Harbor Beach	{ Totals	20	1	1	.....	.....	.....
	{ Males	11	.....	.....	.....	.....	.....
	{ Females	9	1	1	.....	.....	.....
Harrison	{ Totals	8	1	.....	.....	.....	.....
	{ Males	6	1	.....	.....	.....	.....
	{ Females	2	.....	.....	.....	.....	.....
Harrisville	{ Totals	8	1	.....	1	.....	.....
	{ Males	5	.....	.....	1	.....	.....
	{ Females	3	1	.....	.....	.....	.....
Hastings	{ Totals	75	12	2	3	.....	.....
	{ Males	39	6	1	2	.....	.....
	{ Females	36	6	1	1	.....	.....
Hillsdale	{ Totals	79	10	.....	.....	.....	.....
	{ Males	36	5	.....	.....	.....	.....
	{ Females	43	5	.....	.....	.....	.....
Holland	{ Totals	113	31	1	1	.....	.....
	{ Males	62	21	1	1	.....	.....
	{ Females	51	10	.....	.....	.....	.....
Hudson	{ Totals	36	3	.....	.....	.....	.....
	{ Males	24	3	.....	.....	.....	.....
	{ Females	12	.....	.....	.....	.....	.....
Ionia	{ Totals	71	9	.....	.....	.....	.....
	{ Males	34	6	.....	.....	.....	.....
	{ Females	37	3	.....	.....	.....	.....
Iron Mountain	{ Totals	81	28	2	1	1	2
	{ Males	54	22	.....	1	1	1
	{ Females	27	6	2	.....	.....	1
Ironwood	{ Totals	114	36	7	3	1	.....
	{ Males	71	25	2	.....	.....	.....
	{ Females	43	11	5	3	1
Ishpeming	{ Totals	124	26	6	1	1	2
	{ Males	74	18	4	1	1
	{ Females	50	8	2	1	1

DEATHS.

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and sex, during the year 1911. (Stillbirths excluded)

Ages in five-year periods.																	Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
119	9	5	11	21	11	16	17	12	15	18	18	30	19	25	26	30	..
62	6	2	7	6	5	6	11	5	10	11	11	14	13	15	15	16	..
57	3	3	4	15	6	10	6	7	5	7	7	16	6	10	11	14	..
18	2	...	...	5	4	3	1	2	2	2	1	...	...	...	1	3	..
10	2	...	...	2	2	1	1	1	2	1	1	...	...	...	1	2	..
8	...	...	...	3	4	2	1	1	...	2	...	...	...	...	...	1	..
1	1	1	...	...	...	...	1	...	...	2	2	...	1	1	1	1	..
1	1	1	...	...	...	...	1	...	...	2	2	1	1	1	1	1	..
9	...	2	2	2	2	2	3	4	...	5	5	6	6	6	8	14	..
6	...	1	...	...	...	...	3	...	...	2	5	3	3	5	5	6	..
3	...	1	2	2	...	...	...	2	...	3	...	3	3	1	2	8	..
10	1	1	...	1	1	2	1	2	1	3	6	...	3	6	8	5	..
7	1	...	...	...	...	2	1	1	1	2	5	...	1	3	3	4	..
3	...	1	...	1	1	...	1	1	1	1	1	2	2	3	5	1	..
376	34	24	27	58	61	62	54	58	69	86	87	107	97	135	102	144	..
213	17	13	13	23	29	26	27	36	38	48	44	55	51	77	51	77	..
163	17	11	14	35	32	36	27	22	31	38	43	52	46	58	51	67	..
8	1	4	2	2	3	1	2	2	3	2	2	5	7	5	7	1	..
4	1	4	2	1	...	...	1	1	1	2	2	4	4	3	2	1	..
4	...	...	...	1	3	1	1	1	1	...	...	1	5	2	5	...	..
36	7	4	6	5	9	10	8	8	9	5	6	8	8	3	5	1	..
15	2	4	4	4	9	7	6	4	4	5	3	4	4	2	3	1	..
21	3	...	2	1	...	3	2	4	5	...	3	4	4	1	2	...	..
2	2	...	...	1	2	...	...	...	...	1	...	4	1	3	1	3	..
2	1	...	...	1	1	...	...	...	...	1	...	3	1	3	1	2	..
1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	..
1	...	...	...	...	...	...	...	...	1	...	...	2	...	...	...	2	..
2	...	...	...	...	1	...	...	...	...	...	1	...	...	...	1	...	..
1	...	...	...	...	1	...	...	...	...	...	1	1	...	3	...	...	..
1	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	..
17	...	...	2	...	2	1	6	...	3	3	1	7	4	10	7	12	..
9	...	...	1	...	1	1	4	...	...	...	...	4	4	5	4	6	..
8	...	...	1	...	1	...	2	...	3	3	1	3	...	5	3	6	..
10	3	3	1	...	4	1	1	1	1	4	6	7	8	7	10	11	..
5	2	...	...	...	3	...	1	1	1	3	2	6	3	1	4	4	..
5	1	3	1	...	1	1	1	...	...	1	4	1	5	6	6	7	..
33	1	2	4	4	7	2	...	3	2	4	10	7	8	10	9	7	..
23	...	...	...	1	4	...	...	...	...	3	7	4	4	5	5	2	..
10	1	2	2	3	3	2	...	1	2	1	3	3	4	4	4	5	..
3	...	2	...	1	...	...	1	1	2	1	2	4	6	1	6	6	..
3	...	1	...	1	...	...	1	...	...	...	2	4	5	1	2	4	..
9	...	1	1	1	2	1	3	1	4	4	3	4	8	10	12	7	..
6	...	1	...	...	2	...	1	...	2	2	2	1	3	5	8	5	..
3	...	...	1	1	...	1	2	1	2	2	1	3	5	...	...	2	..
34	3	1	2	3	7	1	3	1	2	9	3	...	4	2	2	4	..
25	3	...	1	1	5	...	1	1	1	8	3	...	1	1	1	1	..
9	...	1	1	2	2	...	2	...	1	1	...	...	3	1	1	3	..
47	2	2	4	11	7	5	7	5	2	4	4	5	1	2	3	3	..
27	2	2	2	6	5	2	6	4	1	4	4	3	1	1	2	1	..
20	2	...	2	5	2	3	1	1	1	...	...	2	...	1	1	2	..
36	3	6	5	5	5	5	7	3	3	10	7	2	5	10	5	6	..
24	1	3	3	4	1	1	3	3	3	6	7	2	1	5	1	4	..
12	2	3	2	1	4	2	4	...	1	4	...	...	4	5	4	2	..

Table IIa.—Continued.—Deaths in cities of Michigan, by ages

Cities.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Jackson	Totals	409	51	10	3	1	3
	Males	231	35	7	3	1	3
	Females	178	16	3			
Kalamazoo	Totals	717	66	14	7	2	3
	Males	370	44	7	4		
	Females	347	22	7	3	2	3
Lansing	Totals	345	53	6	8	2	1
	Males	178	27	3	5		1
	Females	167	26	3	3	2	
Lapeer	Totals	69	3	1			
	Males	34	2				
	Females	35	1	1			
Ludington	Totals	115	16	3	1	2	
	Males	61	6	3	1	1	
	Females	54	10			1	
McBain	Totals	3	2				
	Males	1	1				
	Females	2	1				
Mackinac Island	Totals	12	2				
	Males	5	1				
	Females	7	1				
Manistee	Totals	172	26	4	1	1	3
	Males	101	11	2			2
	Females	71	15	2	1	1	1
Manistique	Totals	41	8	1			
	Males	25	6				
	Females	16	2	1			
Marine City	Totals	63	19	2	1	1	1
	Males	43	16	1	1	1	
	Females	20	3	1			1
Marquette	Totals	201	44	8	3	1	1
	Males	114	25	3	2		1
	Females	87	19	5	1	1	
Marshall	Totals	60	4	2	1		
	Males	35	3	1	1		
	Females	25	1	1			
Mason	Totals	21	1				
	Males	8	1				
	Females	13					
Menominee	Totals	137	35	3	1		1
	Males	80	24	3	1		
	Females	57	11				1
Midland	Totals	35	4	1			
	Males	13	2	1			
	Females	22	2				
Monroe	Totals	118	17	4	1	1	1
	Males	64	7	4			1
	Females	54	10		1	1	
Mt. Clemens	Totals	160	22	1	3	2	1
	Males	78	10		2		1
	Females	82	12	1	1	2	
Mt. Pleasant	Totals	42	8				
	Males	18	2				
	Females	24	6				
Muskegon	Totals	364	65	11	6		1
	Males	198	39	2	3		
	Females	166	26	9	3		1

and sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																	Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
68	11	9	7	6	17	16	16	20	18	19	24	39	34	27	36	42	..
49	5	4	2	1	10	9	13	9	7	14	13	21	17	15	19	23	..
19	6	5	5	5	7	7	3	11	11	5	11	18	17	12	17	19	..
92	7	6	19	22	27	34	37	31	38	53	51	52	74	69	44	60	1
55	4	2	12	13	14	19	16	10	19	30	27	24	40	37	20	27	1
37	3	4	7	9	13	15	21	21	19	23	24	28	34	32	24	33	..
70	8	5	5	21	15	9	9	12	10	17	21	18	37	27	27	34	..
36	4	5	3	13	10	5	7	8	4	10	12	9	23	14	11	8	..
34	4	..	2	8	5	3	2	4	6	7	9	9	14	13	16	26	..
4	..	6	5	6	4	3	6	2	3	2	..	5	3	3	5	11	1
2	..	4	3	4	2	2	4	2	..	..	..	3	1	2	2	3	..
2	..	2	2	2	2	1	2	..	3	2	..	2	2	1	3	8	1
22	5	7	1	6	4	1	6	3	7	6	8	6	11	10	5	7	..
11	2	3	1	5	2	..	3	1	5	5	4	2	3	6	3	5	..
11	3	4	..	1	2	1	3	2	2	1	4	4	8	4	2	2	..
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
2	1	..	1	..	..	..	..	1	1	..	1	..	..	3	1	1	..
1	1	..	1	..	..	..	..	1	1	..	1	..	..	1	1	1	..
35	6	4	14	7	6	7	3	6	7	9	6	10	15	14	10	13	..
15	4	4	7	5	4	4	2	4	7	5	5	6	9	9	5	8	..
20	2	..	7	2	2	3	1	2	..	4	1	4	8	5	5	5	..
9	1	1	2	4	3	1	5	1	1	2	1	1	3	3	1	2	..
6	1	..	1	3	3	..	1	..	1	1	1	1	2	2	1	1	..
3	..	1	1	1	..	1	4	1	..	1	..	..	1	1	..	1	..
24	2	1	2	3	1	1	2	3	1	2	..	3	6	2	4	6	..
5	2	1	1	1	1	..	2	2	3	2	..	2	3	2	3	5	..
5	..	..	1	2	..	1	2	1	1	1	..	1	3	..	1	1	..
57	4	2	6	13	14	10	7	10	7	12	11	10	10	14	7	7	..
15	1	1	4	7	11	6	4	9	4	8	8	5	5	7	4	2	..
26	4	1	2	6	3	4	3	1	3	6	3	5	5	7	3	5	..
7	1	..	2	..	..	1	1	1	1	4	4	8	3	6	9	12	..
5	1	..	2	..	..	1	1	1	1	3	3	6	1	3	4	5	..
2	..	..	..	..	..	1	..	1	..	1	1	2	2	3	5	7	..
1	..	..	..	..	..	..	..	2	1	2	3	1	3	4	2	2	..
1	..	..	..	..	..	..	..	2	1	1	1	1	3	2	2	1	..
40	6	2	5	3	6	6	11	3	7	11	7	8	5	10	5	2	..
28	2	..	3	..	4	4	4	3	5	7	6	4	1	5	4	..	..
12	4	2	2	3	2	2	7	..	2	4	1	4	4	5	1	2	..
5	1	2	2	1	2	1	..	..	..	2	1	4	5	4	3	2	..
3	1	2	..	1	2	1	..	..	..	..	1	2	2	1	1	1	..
2	..	..	..	..	..	..	..	..	..	2	..	3	3	3	1	1	..
24	2	2	3	6	6	2	3	2	4	3	11	7	2	11	13	17	..
12	1	1	2	3	2	1	3	1	2	1	8	5	1	4	9	10	..
12	2	1	2	4	3	1	..	1	2	2	3	2	1	7	4	7	..
29	7	..	3	4	12	7	6	11	7	4	10	10	14	11	6	19	..
13	4	..	2	2	5	2	1	7	2	3	6	6	5	5	2	13	..
16	3	..	1	2	7	5	5	4	5	1	4	4	9	6	4	6	..
8	2	1	2	3	1	2	..	2	..	..	3	6	5	4	1	1	1
2	2	1	1	1	..	..	..	1	..	..	2	..	4	2	1	1	..
6	..	..	1	2	1	2	..	1	..	..	1	6	1	2	..	1	..
83	7	5	15	17	9	10	14	11	12	22	18	26	37	31	12	32	..
44	3	2	7	10	6	6	5	11	9	15	11	12	19	19	5	14	..
39	4	3	8	7	3	4	9	3	3	7	7	14	18	12	7	18	..

VITAL STATISTICS OF MICHIGAN, 1911.

Table IIa.—Continued.—Deaths in cities of Michigan, by ages

Cities.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Muskegon Heights.....	Totals.....	18	3	1		1	
	Males.....	8	2			1	
	Females.....	10	1	1			
Negaunee.....	Totals.....	114	32	7	1	2	1
	Males.....	66	15	3			1
	Females.....	48	17	4	1	2	
Niles.....	Totals.....	71	8	3			1
	Males.....	43	6	1			1
	Females.....	28	2	2			
North Muskegon.....	Totals.....	8	1				
	Males.....	5	1				
	Females.....	3					
Norway.....	Totals.....	61	23	3	2	1	
	Males.....	31	12	1	1	1	
	Females.....	30	11	2	1		
Omer.....	Totals.....	3					
	Males.....	2					
	Females.....	1					
Onaway.....	Totals.....	34	18	2			
	Males.....	19	12	1			
	Females.....	15	6	1			
Owosso.....	Totals.....	132	16	3		2	
	Males.....	64	9	2			
	Females.....	68	7	1		2	
Petooskey.....	Totals.....	83	6		2		1
	Males.....	56	5		2		1
	Females.....	27	1				
Pontiac.....	Totals.....	315	31	2	2		1
	Males.....	185	22	1	1		1
	Females.....	130	9	1	1		
Port Huron.....	Totals.....	298	54	4	3	2	6
	Males.....	152	30	3	1	1	3
	Females.....	146	24	1	2	1	3
Rose City.....	Totals.....	4	3	1			
	Males.....	1		1			
	Females.....	3	3				
St. Clair.....	Totals.....	34	6	1			
	Males.....	21	4	1			
	Females.....	13	2				
St. Ignace.....	Totals.....	30	9				
	Males.....	17	6				
	Females.....	13	3				
St. Johns.....	Totals.....	44	3	1		2	
	Males.....	23		1		2	
	Females.....	21	3				
St. Joseph.....	Totals.....	72	16	1	3	2	1
	Males.....	44	11	1	2	2	1
	Females.....	28	5		1		
St. Louis.....	Totals.....	49	6				
	Males.....	32	3				
	Females.....	17	3				
Saginaw.....	Totals.....	701	113	10	9	12	10
	Males.....	394	70	5	5		5
	Females.....	307	43	5	4	12	5

and sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																		Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
5	1				3					1	1			3	2	2		
3					1					1				1		2		
2	1				2						1			2	2			
43	5	2	2	7	5	4		4	10	1	3	6	11	3	2	6		
19	2	2	2	6	3	3		4	7		2	4	5	1	2	4		
24	3			1	2	1			3	1	1	2	6	2		2		
12			4	4	2	1	4	3	1	3	5	8	2	10	7	5		
8			2	4	1	1	1	3		1	3	7	1	5	4	2		
4			2		1		3		1	2	2	1	1	5	3	3		
1			1				1							2	1	2		
1			1				1							2	1	2		
29	5	3		1	1	2	2	2	4		2	5		1	1	3		
15	3	1					1	1	3		1	3		1	1	1		
14	2	2		1	1	2	1	1	1		1	2				2		
3														1		2		
2														1		1		
1																1		
20	1		1	2					2		1	1	3		1	2		
13			1	1					1		1	1	2		1	1		
7	1		1						1		1	1	1			1		
21	3	2	3	4	6	7	3	4	5	2	8	7	13	13	6	25		
11	2	2	1	1	1	4	2	2	2		3	2	7	7	4	13		
10	1		2	3	5	3	1	2	3	2	5	5	6	6	2	12		
9	2	2	1	4	5	3	4	2	4	8	4	8	9	9	7	2		
8	1	2	1	3	3	1	1		4	4	4	6	7	5	4	2		
1	1			1	2	2	3	2		4		2	2	4	3			
36	1	6	2	12	17	11	15	20	19	23	30	26	22	26	26	22	1	
25		3		5	7	9	9	9	15	14	19	15	11	13	16	11		
11	1	3	2	7	10	2	6	11	4	9	11	11	11	13	10	8		
69	8	4	3	10	8	16	10	16	10	16	19	15	18	30	19	27		
38	6	2	2	6	4	7	3	7	6	7	10	7	7	15	12	13		
31	2	2	1	4	4	9	7	9	4	9	9	8	11	15	7	14		
4																		
1																		
3																		
7		1	1	1				4	2	2		2	2	2	3	5		
5		1	1	1				2	1	1		1	1	1	2	3		
2								2	1	1		1	1	1	1	2		
9		1	2	1	3	2		1	1	2		1	1	2	2	2		
6			2	1	2													
3		1			2	2				1				2	2			
6						2		1	2	2	2	2	7	4	8	6		
3						1		1	1	2	1	2	3	2	4	4		
3						1		1	1		1		4	2	4	2		
23	3			4	1	2	3	2	1	3	4	8	5	3	5	4	1	
17	2			2	1	1	1	2			3	4	3	3	3	2	1	
6	1			2		1	2			3	1	4	2	2	2	2		
6			4	1		3	2	3		2	3	2	5	2	8	8		
3			2	1		2	2	3		1	2	1	4	1	5	5		
3			2			1				1	1	1	1	1	3	3		
154	18	11	11	30	28	29	29	25	35	41	34	42	51	63	41	57	2	
85	7	7	6	19	15	13	23	14	21	22	17	23	32	37	18	34	1	
69	11	4	5	11	13	16	6	11	14	19	17	19	19	26	23	23	1	

VITAL STATISTICS OF MICHIGAN, 1911

Table IIa.—Concluded.—Deaths in cities of Michigan, by ages

Cities.	Sex.	Total deaths at all ages, 1911.	Ages in years.				
			Under 1 year.	1.	2.	3.	4.
Sandusky.....	Totals.....	14		1	1		
	Males.....	5		1			
	Females.....	9			1		
Sault Ste. Marie.....	Totals.....	103	39	5	3	4	1
	Males.....	90	23	1	1	2	
	Females.....	73	16	4	2	2	1
Scottville.....	Totals.....	8	1				
	Males.....	4	1				
	Females.....	4					
South Haven.....	Totals.....	59	4	1			
	Males.....	30	2				
	Females.....	29	2	1			
Standish.....	Totals.....	13	1	2		1	
	Males.....	7	1	1		1	
	Females.....	6		1			
Stanton.....	Totals.....	22	1				1
	Males.....	12					1
	Females.....	10	1				
Sturgis.....	Totals.....	57	7	2	1	2	3
	Males.....	21	3			1	3
	Females.....	36	4	2	1	1	
Tawas City.....	Totals.....	12		1			
	Males.....	8		1			
	Females.....	4					
Three Rivers.....	Totals.....	76	7	1	2	1	
	Males.....	32	3	1			
	Females.....	44	4		2	1	
Traverse City.....	Totals.....	250	21	3			1
	Males.....	147	14	1			1
	Females.....	103	7	2			
West Branch.....	Totals.....	15	2				
	Males.....	8					
	Females.....	7	2				
Whittemore.....	Totals.....						
	Males.....						
	Females.....						
Wyandotte.....	Totals.....	142	48	5	4	2	2
	Males.....	80	31	2	3		1
	Females.....	62	17	3	1	2	1
Yale.....	Totals.....	17	2	1			
	Males.....	4	1				
	Females.....	13	1	1			
Ypeilanti.....	Totals.....	93	5	3	1		1
	Males.....	50	2	2			
	Females.....	43	3	1	1		1
Zeeland.....	Totals.....	24	3	1	1		
	Males.....	13	3	1	1		
	Females.....	11					

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and sex, during the year 1911. (Stillbirths excluded).

Ages in five-year periods.																		Unknown.
Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +		
2	1					1	1		1	2	1			2	2	1		
1	1										1				1			
1	1					1	1		1	2						1		
52	5	1	9	6	5	8	9	7	9	8	9	12	6	7	5	5		
27	2	1	5	1	3	3	3	5	4	7	5	8	5	6	3	2		
25	3		4	5	2	5	6	2	5	1	4	4	1	1	2	3		
1				1	2			1		1		2						
1				1	1							1						
					1			1		1		1						
5	1		3	4		2		3		2	1	5	3	10	8	12		
2	1		2	2				2		1	1	2	1	5	3	8		
3			1	2		2		1		1		3	2	5	5	4		
4			1			1				1	2		1		1	2		
3										1	1		1			1		
1			1			1					1				1	1		
2		1	1	2	1	3		2			2	1	1	2	1	3		
1		1	1	1	1	1		2							1	1		
1												1				2		
15		1	1	1	1	3	1	1	3	3		4	7	3	6	7		
7				1	1	1		1	2			2	4	1	2	4		
8		1	1		1	2	1		1	3		2	3	2	4	7		
1							2			1		1	1		1	4		
1			1										1		1	2		
										1		1				2		
11			2	3	1		2	3	5	5	3	4	10	10	5	12		
4			1	2			1	2	1	3	2	1	3	6	2	4		
7			1	1	1		1	1	4	2	1	3	7	4	3	8		
25	5	2		11	9	15	8	12	14	22	18	24	20	27	18	20		
16	3			9	3	9	5	7	5	18	10	16	11	14	10	9		
9	2			2	6	6	3	5	9	4	8	8	9	13	8	11		
2				1	1	1	1			2	1	3		1	2			
2				1	1					2		1						
61	2		5	6	8	6	6	4	1	2	5	7	4	8	6	9		
37	2		4	2	4	3	3	3	1	1	2	3	2	3	4	4		
24			1	4	4	3	3	1		1	3	4		5	2	5		
3					1				1	1	1		1	5	3	1		
1					1				1	1	1		1	1	2	1		
2																		
10	2		2	2	2	3	5	2	4	5	1	10	10	11	7	17		
4	1		2	1		1	4	1	1	3		6	6	5	1	41		
6	1			1	2	2	1	1	3	2	1	4	4	6	6	3		
5	1	1		1			1	2		2	1	2		3	1	4		
5								2		2	1	1			1	1		
1				1			1					1		3	1	3		

VITAL STATISTICS OF MICHIGAN, 1911.

Table III.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	ALL CAUSES.....	Totals..	38,007	3,530	3,444	3,872	3,544	3,246	2,661	3,201	2,979	2,946	2,815	2,836	2,933
		Males..	20,900	1,914	1,859	2,068	1,914	1,785	1,505	1,797	1,656	1,655	1,602	1,520	1,625
		Fem... 17,107	1,616	1,585	1,804	1,630	1,461	1,156	1,104	1,404	1,323	1,291	1,213	1,316	1,308
1	Typhoid fever.....	Totals..	551	37	43	52	44	36	34	46	54	55	62	48	40
		Males..	332	18	28	30	29	16	20	27	37	31	41	33	22
		Fem... 219	19	15	22	15	20	14	19	17	17	24	21	15	18
4	Malarial fever.....	Totals..	14	.....	1	1	1	4	.....	3	1	1	.....	1	1
		Males..	5	.....	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....
		Fem... 9	.....	1	.....	1	3	.....	2	1	.....	.....	1	.....	.....
5	Smallpox.....	Totals..	7	2	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Males..	6	2	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem... 1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	Measles.....	Totals..	200	20	19	34	30	27	20	24	4	3	3	7	9
		Males..	112	7	11	22	18	16	11	11	3	2	2	3	6
		Fem... 88	13	8	12	12	11	9	13	1	1	1	1	4	3
7	Scarlet fever.....	Totals..	208	23	18	23	27	29	13	11	10	10	12	23	9
		Males..	109	14	11	13	14	17	7	7	4	3	4	11	4
		Fem... 99	9	7	10	13	12	6	4	4	6	7	8	12	5
8	Whooping cough...	Totals..	254	15	21	37	32	26	21	25	16	18	13	13	17
		Males..	127	8	9	14	16	17	10	13	9	14	6	5	6
		Fem... 127	7	12	23	16	9	11	12	7	4	7	8	8	11
9	Diphtheria.....	Totals..	431	43	25	30	36	25	21	25	21	38	64	63	40
		Males..	225	24	10	16	21	17	13	11	10	17	35	30	21
		Fem... 206	19	15	14	15	8	8	14	11	11	21	29	33	19
	Croup.....	Totals..	42	7	4	2	5	2	1	2	2	2	3	5	7
		Males..	24	4	3	2	2	1	.....	1	2	1	1	4	3
		Fem... 18	3	1	.....	3	1	1	1	.....	1	2	1	1	4
10	Influenza.....	Totals..	603	99	139	154	103	41	9	4	5	4	11	14	20
		Males..	299	51	74	73	48	23	5	2	2	1	5	6	9
		Fem... 304	48	65	81	55	18	4	2	3	3	3	6	8	11
13	Cholera nostras.....	Totals..	18	.....	.....	3	2	.....	2	4	3	1	2	1	1
		Males..	8	.....	.....	1	2	.....	1	.....	2	.....	.....	.....	.....
		Fem... 10	.....	.....	2	.....	.....	.....	1	4	1	1	.....	.....	.....
14	Dysentery.....	Totals..	87	4	4	4	2	3	5	7	20	21	9	4	4
		Males..	52	3	4	4	1	2	2	3	8	13	5	3	4
		Fem... 35	1	.....	.....	1	1	3	4	12	8	4	1	.....	.....
18	Erysipelas.....	Totals..	141	16	16	26	28	14	5	4	4	4	6	10	8
		Males..	90	13	7	14	20	9	4	3	1	4	5	5	5
		Fem... 51	3	9	12	8	5	1	1	3	.....	1	5	3	3
19	Other epidemic diseases.....	Totals..	3	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....
		Males..	2	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....
		Fem... 1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	Septicemia.....	Totals..	214	13	24	19	23	20	19	22	14	13	23	17	7
		Males..	134	8	17	13	11	16	12	16	9	5	16	8	3
		Fem... 80	5	7	6	12	4	7	6	6	5	8	7	9	4
24	Tetanus.....	Totals..	35	3	.....	.....	3	5	1	8	4	3	7	.....	1
		Males..	27	2	.....	.....	2	4	1	6	2	3	6	.....	1
		Fem... 8	1	.....	.....	1	1	.....	2	2	.....	1	.....	.....	.....
28	Tuberculosis of lungs.....	Totals..	2,284	204	195	258	237	218	199	178	148	161	147	165	174
		Males..	1,180	118	94	136	122	107	109	94	71	72	78	86	93
		Fem... 1,104	86	101	122	115	111	90	84	77	89	89	69	79	81
29	Miliary tuberculosis.	Totals..	46	3	5	7	4	5	1	5	2	4	2	1	7
		Males..	22	2	3	4	.....	2	.....	3	2	2	.....	.....	4
		Fem... 24	1	2	3	4	4	3	1	2	.....	2	2	1	3

ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.					Ages in five-year periods.																		Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
7131 4098 3033	1108 592 516	521 281 240	339 168 171	258 142 116	9357 5281 4076	834 447 387	621 349 272	902 503 399	1338 672 666	1391 718 673	1266 634 632	1286 647 639	1272 697 575	1519 847 672	1818 1030 788	1899 1082 817	2261 1288 973	2689 1492 1197	3038 1667 1371	2752 1523 1229	3720 1986 1734	44 37 7	
6 5 1	4 4 ...	9 6 3	3 2 1	13 7 6	35 24 11	27 13 14	36 15 21	63 34 29	93 57 36	56 33 23	62 46 16	33 17 16	21 19 2	26 16 10	41 23 18	19 7 12	18 13 5	10 8 2	6 4 2	4 2 2	1 2 ...	1 1 ...	
...	...	...	...	...	...	...	...	...	...	1 ...	...	...	3 1 2	1 2 1	2 2 1	2 ...	...	2 1 1	1 ...	2 1 1	...	...
1 1	...	...	...	...	1 1	...	...	...	...	1 ...	...	2 1 1	2 2 ...	...	...	...	1 1 ...	...	...	...	...	...
49 27 22	58 34 24	20 12 8	13 9 4	7 5 2	147 87 60	24 13 11	12 6 6	3 1 2	3 3 3	3 2 1	2 2 2	...	...	1 1 ...	...	1 ...	1 1 ...	...	...	1 ...	...	...
13 7 6	7 13 10	32 19 13	34 17 17	19 12 9	121 66 55	51 24 27	17 10 7	4 2 2	4 1 3	2 2 1	2 1 1	4 3 1	1 ...	...	...	1 ...	...	...	...	...	1 ...	...
177 93 84	41 18 23	17 7 10	8 4 4	3 2 1	246 124 122	5 2 3	...	...	1 ...	...	...	...	1 ...	...	...	...	1 1 ...	...	...	...	...	...
7 4 3	36 19 17	49 32 17	51 27 24	42 23 19	185 105 80	160 82 78	49 25 24	13 6 7	9 4 5	7 1 6	3 1 2	...	...	3 1 2	1 ...	1 ...	...	...	...	...	...	...
4 3 1	7 3 4	10 7 3	3 1 2	5 2 2	29 17 12	12 7 5	1 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
38 23 15	11 5 6	4 3 1	2 1 1	1 ...	56 33 23	4 ...	11 10 1	12 8 4	10 7 3	9 4 5	9 3 6	13 4 9	14 6 8	17 11 6	19 8 11	27 13 14	29 13 16	46 25 21	86 33 53	100 49 51	140 72 68	1 1 ...	
5 4 1	...	...	1 ...	...	6 4 2	...	1 1 ...	1 ...	...	1 ...	...	...	...	1 ...	...	2 ...	2 ...	...	2 ...	1 2 ...	3 2 1	...
13 9 4	8 6 2	5 2 3	1 ...	1 1	28 18 10	1 ...	...	...	1 ...	...	1 ...	1 1	2 1	3 2 1	2 2 1	3 1 2	1 ...	7 3 4	13 9 4	9 8 1	15 9 6	...
38 23 15	1 ...	...	...	...	39 23 16	...	1 ...	1 1	1 1	3 2 1	6 5 1	8 4 4	5 3 1	4 1 ...	5 11 2	8 4 4	7 4 3	11 7 4	17 12 5	5 3 3	12 7 5	...
2 1 1	...	...	...	...	2 1 1	1 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26 16 10	2 1 1	...	2 ...	3 1	33 20 13	8 4 4	8 5 3	8 6 2	13 7 6	16 8 3	8 4 4	22 11 11	8 5 3	12 8 4	17 14 3	14 8 6	7 6 1	15 11 4	6 6 ...	11 7 4	7 3 4	1 1 ...	
9 6 3	...	...	...	...	9 6 3	6 6 ...	2 6 1	3 3 ...	3 1 2	...	2 1 1	...	1 1 ...	1 2 1	1 2 1	2 1 2	1 ...	...	...	...	1 1 1	...
22 9 13	9 2 13	11 7 7	3 2 4	7 2 1	52 21 31	14 8 6	38 15 23	222 98 124	372 169 203	362 178 184	290 137 153	219 126 93	153 79 74	131 83 48	129 80 49	80 53 27	87 57 30	52 28 24	49 31 18	20 12 8	12 5 7	2 ...	
3 1 2	2 1 1	1 ...	...	...	6 2 4	1 ...	2 1 1	4 1 3	4 1 3	6 3 1	6 3 3	2 3 2	3 3 1	2 3 ...	4 1 3	1 1 ...	2 1 1	1 1 1	1 1 1	2 ...	...	...

Table III.—Continued.—Causes of death in Michigan, by months,

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
30	Tubercular meningitis	Totals	128	8	9	15	20	14	14	11	6	5	9	8	9
		Males	63	3	2	10	6	8	8	3	4	3	5	5	6
		Fem.	65	5	7	5	14	6	6	8	2	2	4	3	3
31	Abdominal tuberculosis	Totals	153	18	9	19	15	9	9	13	16	11	13	13	8
		Males	66	4	3	7	12	3	6	6	10	3	5	4	3
		Fem.	87	14	6	12	3	6	3	7	6	8	8	9	5
32	Pott's disease	Totals	30	6	4	2	1	2		2	2	5	2	2	2
		Males	20	4	3	1	1	2		1		4		2	
		Fem.	10	2	1	1				1	2	1	2		
33	White swelling	Totals	8	1			1			1				3	2
		Males	4	1						1				1	1
		Fem.	4				1							2	1
34	Tuberculosis of other organs	Totals	76	8	6	10	8	5	4	6	2	6	7	10	4
		Males	52	7	6	5	7	3	2	3	1	5	4	5	4
		Fem.	24	1		5	1	2	2	3	1	1	3	5	
35	Disseminated tuberculosis	Totals	41	4	2	8	1	6	6	2	2	6	2	2	
		Males	17	3	2	4	1	1	3		1	1		1	
		Fem.	24	1		4		5	3	2	1	5	2	1	
37-38	Venereal diseases	Totals	104	8	9	10	7	8	5	11	14	11	12	6	3
		Males	61	5	7	5	3	7	4	5	7	6	6	4	2
		Fem.	43	3	2	5	4	1	1	6	7	5	6	2	1
39	Cancer of mouth	Totals	83	10	8	10	12	6	4	1	9	5	7	4	7
		Males	68	7	6	9	9	5	4	1	7	4	7	4	5
		Fem.	15	3	2	1	3	1			2	1			2
40	Cancer of stomach and liver	Totals	917	80	60	89	79	96	75	71	65	69	76	79	78
		Males	499	49	35	53	42	50	41	41	35	37	27	41	48
		Fem.	418	31	25	36	37	46	34	30	30	32	49	38	30
41	Cancer of intestines	Totals	306	17	28	27	19	21	31	31	20	18	38	29	27
		Males	131	8	11	13	7	11	14	11	12	3	17	9	15
		Fem.	175	9	17	14	12	10	17	20	8	15	21	20	12
42	Cancer of genital organs	Totals	273	27	18	23	20	28	13	23	24	20	19	31	27
		Males													
		Fem.	273	27	18	23	20	28	13	23	24	20	19	31	27
43	Cancer of breast	Totals	175	20	16	21	7	11	14	18	18	13	11	15	11
		Males													
		Fem.	175	20	16	21	7	11	14	18	18	13	11	15	11
44	Cancer of skin	Totals	114	14	8	7	6	10	12	12	7	5	11	9	13
		Males	79	9	7	3	4	5	7	10	5	3	10	7	9
		Fem.	35	5	1	4	2	5	5	2	2	2	1	2	4
45	Cancer of other organs	Totals	274	26	14	30	18	19	22	19	24	33	24	21	24
		Males	162	12	11	18	11	12	11	13	14	21	14	11	14
		Fem.	112	14	3	12	7	7	11	6	10	12	10	10	10
46	Tumors	Totals	52	4	2	6	3	6	5	7	3	7	3	3	3
		Males	12			1		2	2	2		4		1	
		Fem.	40	4	2	5	3	4	3	5	3	3	3	2	3
47-48	Rheumatism	Totals	152	11	17	20	18	16	17	14	7	8	6	9	9
		Males	64	6	4	9	12	5	5	6	6	2	4	2	3
		Fem.	88	5	13	11	6	11	12	8	1	6	2	7	6
50	Diabetes	Totals	373	44	32	34	35	29	12	36	33	22	36	31	29
		Males	169	22	17	16	17	14	7	9	18	6	12	14	17
		Fem.	204	22	15	18	18	15	5	27	15	16	24	17	12
53-54	Anemia	Totals	340	31	21	31	33	47	20	28	29	32	23	20	25
		Males	162	15	12	15	15	23	8	12	13	14	15	9	11
		Fem.	178	16	9	16	18	24	12	16	16	18	8	11	14

ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.					Ages in five-year periods.																			Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.		
17 11 6	18 11 7	10 7 3	12 4 8	5 2 3	62 35 27	23 13 10	9 6 6	9 2 7	5 1 4	3 2 1	5 2 3	3 2 1	2 2 1	1 2 1	1 1 1	3 1 1	3 2 1	1 1 1	1 1 1	1 1 1				
4 1 3	1 1 1	1 1 1	1 1 1	1 1 1	6 2 4	6 3 3	5 3 3	11 3 8	17 9 8	18 8 10	10 6 4	9 5 4	16 10 6	12 4 8	10 4 6	13 3 10	8 4 4	5 4 5	3 2 1	3 2 1	3 1 3	1 1 1		
	1 1 1				1 1 1	2 1 1	1 1 1	1 1 1	2 2 2	1 1 1	4 2 2	2 2 2	2 2 2	2 2 2	1 1 1	3 1 2	3 2 1	2 2 1	2 2 1	2 2 1	1 1 1			

Table III.—Continued.—Causes of death in Michigan, by months,

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
56	Alcoholism.....	Totals..	89	6	9	7	6	9	5	7	8	7	11	9	5
		Males..	81	5	9	6	5	8	4	7	8	7	8	9	5
		Fem... 8	1	1	1	1	1	1	1	1	1	1	3	1	1
57, 59	Chronic poisoning..	Totals..	23	2	2	4	.....	3	.....	1	2	3	5	1	1
		Males..	12	1	1	1	.....	3	.....	1	1	3	4	1	1
		Fem... 11	1	1	3	.....	3	.....	1	1	1	1	1	.....	.....
55	Other general diseases.....	Totals..	186	21	21	22	19	17	9	12	15	18	12	9	11
		Males..	89	11	8	11	7	7	4	5	10	13	6	3	4
		Fem... 97	10	13	11	12	10	5	5	7	5	5	6	6	7
60	Encephalitis.....	Totals..	73	5	10	9	5	4	4	6	6	7	8	4	5
		Males..	40	.....	7	6	3	2	1	3	3	3	6	2	4
		Fem... 33	5	3	3	2	2	3	3	3	3	4	2	2	1
61	Meningitis.....	Totals..	487	32	53	61	60	44	30	43	35	31	40	38	20
		Males..	262	18	25	31	28	28	17	24	14	16	29	25	7
		Fem... 225	14	28	30	32	16	13	19	19	21	15	11	13	13
62	Locomotor ataxia...	Totals..	53	1	3	10	6	5	2	2	3	7	4	6	4
		Males..	41	1	3	8	6	4	1	2	3	5	2	4	4
		Fem... 12	.....	.....	2	.....	1	1	.....	.....	.....	2	2	2	2
63	Other diseases of spinal cord.....	Totals..	151	27	15	5	16	12	13	16	6	7	9	17	8
		Males..	90	9	7	2	9	9	9	13	4	4	6	12	6
		Fem... 61	18	8	3	7	3	4	4	3	2	3	3	5	2
63.1	Poliomyelitis.....	Totals..	55	6	7	9	.....	3	2	2	5	7	6	5	3
		Males..	26	2	4	5	.....	3	1	.....	1	2	4	3	1
		Fem... 29	4	3	4	.....	.....	1	2	2	4	5	2	2	2
64	Apoplexy.....	Totals..	2,080	205	178	190	225	167	162	161	138	143	153	183	175
		Males..	1,103	110	90	90	124	80	88	88	73	82	94	96	88
		Fem... 977	95	88	100	101	87	74	74	73	65	61	59	87	87
65	Softening of brain..	Totals..	53	8	6	2	4	5	4	4	7	1	5	5	2
		Males..	26	3	5	1	2	3	2	1	3	.....	2	3	1
		Fem... 27	5	1	1	2	2	2	2	3	4	1	3	2	1
66	Paralysis.....	Totals..	783	71	68	69	73	54	71	77	62	56	50	51	81
		Males..	421	41	36	39	36	26	42	37	36	29	28	25	46
		Fem... 362	30	32	30	37	28	29	29	40	26	27	22	26	35
67	General paralysis of insane.....	Totals..	74	7	9	5	6	9	4	15	2	1	2	9	5
		Males..	57	5	7	4	5	7	3	13	1	1	2	5	4
		Fem... 17	2	2	1	1	2	1	2	2	1	.....	.....	4	1
68	Other forms of mental disease.....	Totals..	67	7	8	.....	6	4	7	10	5	5	7	3	5
		Males..	26	4	5	.....	1	.....	4	4	1	.....	1	2	4
		Fem... 41	3	3	.....	5	4	3	6	6	4	5	6	1	1
69	Epilepsy.....	Totals..	125	14	6	10	13	11	13	18	7	4	8	10	11
		Males..	70	9	4	6	8	8	5	8	2	3	5	6	6
		Fem... 55	5	2	4	5	3	3	8	10	5	1	3	4	5
70-71	Convulsions.*.....	Totals..	391	44	37	58	37	38	21	29	14	26	30	29	28
		Males..	217	25	15	31	28	23	13	16	6	14	15	16	15
		Fem... 174	19	22	27	9	15	8	13	8	8	12	15	13	13
73-74, 76	Other diseases of nervous system...	Totals..	186	15	19	12	25	14	12	21	18	10	7	16	17
		Males..	89	4	15	6	7	8	6	10	10	4	6	3	10
		Fem... 97	11	4	6	18	6	6	6	11	8	6	1	13	7
77	Pericarditis.....	Totals..	46	2	2	8	7	4	6	1	5	2	4	3	2
		Males..	26	1	.....	4	4	3	4	.....	4	1	3	2	.....
		Fem... 20	1	2	4	3	1	2	1	1	1	1	1	1	2
78	Endocarditis.....	Totals..	197	19	20	17	20	16	24	14	11	16	17	16	7
		Males..	103	10	10	11	11	7	8	3	7	10	11	11	5
		Fem... 94	9	10	7	9	9	16	11	11	4	6	6	5	2

ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.					Ages in five-year periods.																	Classification No.	
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +		Unknown.
									4	6	9	11	14	13	10	9	5	3	3	1		1	56
									3	5	9	7	14	12	9	9	5	3	3	1		1	
									1	1		4		1	1								57-59
1					1		1		1	1	1	1		2	4		2	4	2	1	2		55
1					1		1		1	1	1			2	1		1	1	1	1	1		
41	14	10	1	4	70	6	4	4	8	3	8	5	8	15	6	11	4	14	8	3	7	2	60
27	10	4	1	2	44	4	2	4	3	1	2	1	1	3	2	3	3	5	5	1	3	2	
14	4	6		2	26	2	2		5	2	6	4	7	12	4	8	1	9	3	2	4		61
10	3	3			16	5	3	4	2	9	6	4	5	4	4	3	2	2	2	2	2		62
6	2	1			9		2	4	1	7	1	3	3	3	1	2	1	1	1	2	2		
4	1	2			7	5	1		1	2	5	1	2	1	3	1	1	1	2				63
147	65	28	22	13	275	48	29	19	14	12	10	20	8	12	11	12	3	4	4	5	1		63.1
74	36	14	11	7	142	22	16	9	9	8	6	12	5	6	8	6	3	3	2	4	1		
73	29	14	11	6	133	26	13	10	5	4	4	8	3	6	3	6		1	2	1			64
																							65
5	2		2		9		2	1	4	5	5	1	6	8	9	11	15	27	24	12	12		66
5	1		2		8		1	1	4	3	3		4	3	4	6	8	17	14	9	5		
	1				1		1			2	2	1	2	5	5	5	7	10	10	3	7		67
8	6	5	7	1	27	6	3	2	1	3	1	1		1			1	4	3	1	1		68
5	1	1	3		10	1	2	1		2	1	1		1			1	3	3	1	1		
3	5	4	4	1	17	5	1	1	1	1	1												69
25	2	2			29	3	4	9	7	12	28	26	55	74	142	153	236	325	349	291	335	2	70-71
13	1	1			14	2	1	4	3	7	16	14	27	43	72	91	135	169	181	144	179	1	
12	2	1			15	1	3	5	4	5	12	12	28	31	70	62	101	156	168	147	156	1	72
																							73-74
3			1		4	1	2	2	3	5	9	15	27	30	43	49	73	96	117	127	178	2	76
2					2	1	1	2	2	4	6	9	14	16	27	32	49	67	70	92	2		
1			1						1	1	3	6	13	14	16	22	41	47	50	57	86		77
																							78
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																							99
																							100

Table III.—Continued.—Causes of death in Michigan, by months.

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
79	Heart disease.....	(Totals..	4,151	383	346	387	367	398	308	315	309	306	292	362	378
		Males..	2,308	201	204	208	198	231	164	181	174	172	162	196	217
		Fem...	1,843	182	142	179	169	167	144	134	135	134	130	166	161
80	Angina pectoris....	(Totals..	245	15	28	24	21	18	20	16	21	18	20	19	25
		Males..	141	7	13	10	10	12	11	9	15	14	11	10	19
		Fem...	104	8	15	14	11	6	9	7	6	4	9	9	6
81	Diseases of arteries..	(Totals..	529	57	45	48	51	40	50	50	34	39	49	27	39
		Males..	337	29	29	26	36	25	38	32	22	29	28	20	23
		Fem...	192	28	16	22	15	15	12	18	12	10	21	7	16
82	Embolism.....	(Totals..	143	13	15	12	18	8	14	8	12	9	11	8	15
		Males..	64	2	7	8	8	4	8	3	5	4	5	2	8
		Fem...	79	11	8	4	10	4	6	5	7	5	6	6	7
83	Diseases of veins.....	(Totals..	2						1						1
		Males..	1												1
		Fem...	1						1						
84	Diseases of lymphatics.....	(Totals..	9	1		1	1		1	1	1			2	1
		Males..	4				1		1	1				1	
		Fem...	5	1		1					1			1	1
85-86	Other diseases of circulatory system	(Totals..	26		3	2	2	1	3	5	1	2	3	2	2
		Males..	15		2	1			2	3	1	1	2	2	1
		Fem...	11		1	1	2	1	1	2		1	1		1
87	Diseases of larynx....	(Totals..	61	7	9	7	5	6	4		3	2	1	11	6
		Males..	41	4	6	6	3	1	4		2	2		7	6
		Fem...	20	3	3	1	2	5			1		1	4	
88	Diseases of thyroid body.....	(Totals..	19		3			3	2	4	3	3	1		
		Males..	3							2		1			
		Fem...	16		3			3	2	2	3	2	1		
89	Acute bronchitis.....	(Totals..	426	79	66	59	43	25	11	12	6	22	25	39	39
		Males..	225	40	39	29	19	16	7	8	3	11	16	20	17
		Fem...	201	39	27	30	24	9	4	4	3	11	9	19	22
90	Chronic bronchitis....	(Totals..	290	35	34	45	27	29	13	13	13	13	20	24	24
		Males..	133	17	13	25	7	10	9	9	6	4	12	9	12
		Fem...	157	18	21	20	20	19	4	4	7	9	8	15	12
91	Bronchopneumonia.....	(Totals..	805	123	144	124	94	67	29	20	28	22	44	51	59
		Males..	441	69	77	58	54	34	14	8	17	15	29	33	33
		Fem...	364	54	67	66	40	33	15	12	11	7	15	18	26
92	Pneumonia.....	(Totals..	1,958	293	341	314	245	143	62	36	59	56	86	136	187
		Males..	1,139	170	183	178	139	93	40	23	38	34	53	86	102
		Fem...	819	123	158	136	106	50	22	13	21	22	33	50	85
93	Pleurisy.....	(Totals..	105	15	10	12	17	7	9	13	5	3	4	4	6
		Males..	57	9	5	6	11	4	5	8	3	1	1		4
		Fem...	48	6	5	6	6	3	4	5	2	2	3	4	2
94	Congestion of lungs.....	(Totals..	195	26	15	24	18	18	11	14	13	10	11	13	22
		Males..	101	11	6	13	10	11	6	8	7	6	5	6	12
		Fem...	94	15	9	11	8	7	5	6	6	4	6	7	10
95	Gangrene of lungs.....	(Totals..	7	1	1	1	1				2	1			
		Males..	4		1	1	1					1			
		Fem...	3	1							2				
96-97	Asthma and emphysema.....	(Totals..	79	6	8	10	8	7	8	3	7	7	3	7	5
		Males..	51	4	6	5	7	3	5	2	5	6	1	4	3
		Fem...	28	2	2	5	1	4	3	1	2	1	2	3	2
98	Other diseases of respiratory system	(Totals..	87	7	5	7	16	3	5	7	5	6	7	8	11
		Males..	64	6	4	5	11	3	5	6	4	6	4	4	6
		Fem...	23	1	1	2	5			1	1		3	4	5

ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.					Ages in five-year periods.																	Classification No.		
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +		Unknown.	
66 35 31	4 1 3	4 2 2	1 ... 1	4 2 2	79 40 39	25 11 14	47 21 26	33 16 17	54 28 26	76 41 35	79 40 39	94 36 58	133 65 68	178 89 89	251 141 110	324 186 138	456 259 197	582 327 255	644 364 280	529 307 222	563 334 229	4 3 1	} 79	
4 1 3	4 1 3	...	1 ... 1	1	2 2 ...	5 3 2	3 1 2	8 7 4	11 5 4	16 9 11	16 14 7	21 13 10	23 38 18	38 30 18	47 31 16	33 20 13	16 10 6	...		} 80
1 1	...	...	...	...	2 2 ...	2 ... 2	1 ... 1	1 ... ...	...	...	1 ... 1	4 2 2	5 9 3	9 10 1	10 8 1	16 9 6	37 28 12	82 54 9	94 31 28	105 71 39	160 94 66	...	} 81
4 4	1 1	1 ...	6 5 1	4 1 3	5 ... 5	10 5 5	4 ... 4	2 5 3	12 10 7	10 2 8	7 3 4	15 8 7	12 14 5	14 6 8	14 6 8	9 6 3	16 8 8	...		} 82
...	...	...	...	...	...	...	...	...	...	...	...	1 ...	...	...	...	...	...	...	1 ...	...	...	...	} 83
4 3 1	1	5 3 2	1	1	2		} 84
10 6 4	1 ...	...	...	...	11 7 4	...	1 ...	1 ...	1 ...	1 ...	...	1 ...	...	...	2 ...	...	3 ...	1 ...	2 ...	2 ...	2 ...	1 ...	} 85-86
15 9 6	8 4	3 2 1	2 1 1	1 ...	29 17 12	6 2 4	3	1 ...	3 1 2	1 ...	1	3 2 1	1 ...	4 3 1	2 2 1	1 ...	3 1 ...	1 ...	2 ...	1 ...		} 87
...	...	...	...	...	...	...	...	...	1 ...	1 ...	1 ...	3 ...	3 ...	4 ...	2 ...	...	1 ...	...	2 ...	1 ...	...	...	} 88
228 131 97	43 22 21	29 16 15	13 7 6	5 1 4	318 175 143	4 2 2	1 ...	2 ...	1 ...	2 ...	2 ...	4 2 4	5 2 2	2 ...	5 3 3	6 2 4	6 2 3	4 2 2	3 1 2	12 8 6	18 12 20	35 15 ...		} 89
1 1	...	1 ...	...	...	2 ...	...	1 ...	...	4 ...	1 ...	...	4 2 2	4 ...	5 3 2	6 4 2	10 7 6	15 16 8	39 7 23	38 19 19	56 24 32	105 49 56	...	} 90
335 195 140	116 60 56	36 24 12	19 10 9	12 6	518 295 223	20 7 13	9 3 6	8 3 5	4 2 2	5 ...	6 ...	11 4 2	4 6 5	11 2 2	9 6 5	18 2 7	22 10 12	35 19 16	33 19 14	38 24 14	54 25 29	...		} 91
328 187 141	106 54 52	30 16 14	15 5 10	15 9 6	494 271 223	48 29 19	28 15 13	42 29 13	66 32 34	71 40 31	66 40 26	58 42 27	70 64 28	109 81 28	109 64 45	112 72 40	131 81 50	123 75 48	154 92 62	131 68 63	126 57 69	...	} 92	
4 ...	1 ...	1 ...	4 ...	3 ...	13 7	1 ...	2 ...	1 ...	1 ...	7 5	2 1	6 3	1 ...	6 5	8 3	4 2	10 7	9 6	13 3	9 4	12 5	...		} 93
44 20 24	4 1 3	4 3	...	2 ...	54 24 30	2 1 1	2	1 ...	2 ...	2 ...	6 4	5 3	4 2	5 3	8 6	8 3	10 12	19 8	17 11	16 8	36 11	...		} 94
1 1	...	...	...	...	1 1	...	...	...	1 ...	1 ...	...	...	...	1 ...	...	1 ...	...	1 ...	...	...	...	1 ...	} 95
...	...	2	2 2	1	1 ...	2 ...	2 ...	2 ...	2 ...	3 2	3 2	2 1	9 7	12 11	17 7	12 5	...		} 96-97
3 1 2	...	2 2	2 ...	...	7 5 2	...	2 ...	3 1	6 2 1	7 4 2	4 6 1	6 4 2	5 4 1	3 4 1	7 3 1	11 10 1	11 8 3	2 2 2	3 1 2	5 1 4	5 3 2	...	} 98

Table III.—Continued.—Causes of death in Michigan, by months,

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
99	Diseases of mouth..	{ Totals..	17	1	2	3	2	2	1	.....	1	1	1	1	2
		{ Males..	9	1	2	1	1	.....	1	.....	.....	.....	1	.....	2
		{ Fem...	8	.....	.....	2	1	2	.....	.....	1	1	.....	1	.....
100	Other diseases of pharynx.....	{ Totals..	57	3	6	3	4	6	5	8	5	4	4	4	5
		{ Males..	30	1	4	.....	2	2	1	6	4	2	4	1	3
		{ Fem...	27	2	2	3	2	4	4	2	1	2	.....	3	2
101	Diseases of oesophagus.....	{ Totals..	6	.....	2	.....	2	1	.....	.....	.....	1	.....	.....	.....
		{ Males..	4	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		{ Fem...	2	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....
102	Ulcer of stomach...	{ Totals..	91	7	10	10	6	8	4	5	3	12	7	10	9
		{ Males..	55	5	6	5	5	4	1	3	3	6	4	7	6
		{ Fem...	36	2	4	5	1	4	3	2	.....	6	3	3	3
103	Other diseases of stomach.....	{ Totals..	599	53	47	55	43	36	39	65	58	69	57	37	40
		{ Males..	335	30	25	29	22	19	25	42	31	41	32	22	17
		{ Fem...	264	23	22	26	21	17	14	23	27	28	25	15	23
104	Diarrhea and enteritis (under 2 yrs.)..	{ Totals..	1,598	63	56	60	56	94	79	246	362	322	163	59	38
		{ Males..	906	45	32	35	36	53	40	138	217	169	94	25	22
		{ Fem...	692	18	24	25	20	41	39	108	145	153	69	34	16
105	Diarrhea and enteritis (over 2 yrs.)..	{ Totals..	425	21	22	21	22	29	27	48	83	61	44	24	23
		{ Males..	187	10	12	8	8	14	13	20	35	27	20	8	12
		{ Fem...	238	11	10	13	14	15	14	28	48	34	24	16	11
108	Appendicitis.....	{ Totals..	258	18	20	18	20	29	22	31	27	21	18	14	20
		{ Males..	158	12	9	9	13	16	16	18	14	14	13	11	13
		{ Fem...	100	6	11	9	7	13	6	13	13	7	5	3	7
109	Hernia.....	{ Totals..	368	36	32	40	25	31	29	31	24	27	33	30	30
		{ Males..	197	12	20	20	17	17	17	17	14	14	17	18	14
		{ Fem...	171	24	12	20	8	14	12	14	10	13	16	12	16
109	Obstruction of intestines.....	{ Totals..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		{ Males..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		{ Fem...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
109	Other diseases of intestines.....	{ Totals..	86	14	8	8	8	8	6	4	7	10	4	3	6
		{ Males..	45	7	3	4	4	5	4	1	4	6	1	3	3
		{ Fem...	41	7	5	4	4	3	2	3	3	4	3	.....	3
111	Acute yellow atrophy of liver..	{ Totals..	18	2	2	2	.....	2	1	3	1	.....	2	1	2
		{ Males..	7	1	2	2	.....	.....	1	1	.....	.....	.....	.....	.....
		{ Fem...	11	2	.....	.....	.....	2	.....	2	.....	.....	2	1	2
112	Hydatid tumors....	{ Totals..	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
		{ Males..	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		{ Fem...	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
113	Cirrhosis of liver...	{ Totals..	278	20	21	29	24	20	14	29	24	23	23	18	33
		{ Males..	179	12	12	22	15	11	7	22	16	16	13	11	22
		{ Fem...	99	8	9	7	9	9	7	7	8	7	10	7	11
114	Biliary calculi.....	{ Totals..	64	5	4	6	6	5	3	10	6	4	4	7	4
		{ Males..	23	1	2	1	4	2	.....	5	2	1	2	2	1
		{ Fem...	41	4	2	5	2	3	3	5	4	3	2	5	3
115	Other diseases of liver.....	{ Totals..	208	9	13	18	27	25	15	14	23	14	15	18	17
		{ Males..	96	3	8	8	10	9	8	10	11	8	6	9	6
		{ Fem...	112	6	5	10	17	16	7	4	12	6	9	9	11
116	Diseases of spleen...	{ Totals..	5	.....	.....	.....	.....	3	1	1	1	.....	.....	.....	.....
		{ Males..	4	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....
		{ Fem...	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
117	Peritonitis.....	{ Totals..	336	23	26	33	30	41	33	29	29	25	20	29	18
		{ Males..	141	7	11	12	10	16	13	14	18	13	7	9	11
		{ Fem...	195	16	15	21	20	25	20	15	11	12	13	20	7

CAUSES OF DEATHS.

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ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.					Ages in five-year periods.																	Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
7	1	1	...	...	9	...	...	1	...	1	1	...	...	...	...	...	...	1	2	1	1	99
3	1	...	...	...	4	...	...	1	...	1	...	...	...	...	...	...	...	1	1	1	1	
4	1	...	...	...	5	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	100
7	3	3	2	3	18	9	5	2	...	2	4	2	3	4	...	1	1	3	1	...	2	
3	2	2	1	2	10	5	4	1	...	1	1	1	2	1	...	...	1	1	...	...	...	101
4	1	1	1	1	8	4	1	1	...	1	3	1	1	3	...	1	...	2	1	...	...
1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	102
1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	1	
4	...	...	...	...	4	1	1	1	2	2	5	10	6	4	10	10	7	7	10	4	7	103
3	...	...	...	...	3	1	1	1	1	1	2	4	5	2	8	8	3	3	6	3	4	
1	...	...	...	...	1	...	1	1	1	1	3	6	1	2	2	2	4	4	4	1	3	104
236	29	7	5	3	280	4	3	6	3	13	6	6	13	28	17	22	24	23	43	53	55	
146	13	3	3	2	167	2	3	2	1	7	2	1	8	18	9	16	12	16	20	26	25	105
90	16	4	2	1	113	2	...	4	2	6	4	5	5	10	8	6	12	7	23	27	30	
1309	289	...	...	...	1598	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	106
746	160	...	...	...	906	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
563	129	...	...	...	692	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	107
...	68	28	15	11	30	6	4	9	9	10	10	16	10	16	18	18	28	30	46	54	...	
...	34	14	6	54	13	4	1	2	4	4	2	5	4	5	4	11	14	11	19	30	...	108
...	34	14	9	57	17	2	3	7	5	6	8	11	6	11	14	7	14	19	27	24	...	
2	...	...	2	2	6	33	38	32	36	29	17	19	12	10	9	2	8	3	4	...	...	109
1	...	...	2	2	5	13	23	19	21	20	9	10	11	7	7	2	6	3	2	...	...
1	...	...	...	1	20	15	13	15	9	8	...	...	...	3	2	2	2	2	2	...	...	110
55	4	5	5	2	71	8	5	4	12	13	11	10	22	14	24	26	33	29	29	35	22	
36	2	1	4	1	44	7	4	3	11	6	4	4	9	8	9	11	17	14	16	16	14	111
19	2	4	1	1	27	1	1	1	1	7	7	6	13	6	15	15	16	15	13	19	8	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	112
...	
15	...	1	3	1	20	5	...	4	5	5	7	4	5	4	3	4	3	6	4	7	...	113
9	...	2	...	11	3	...	...	4	1	2	3	3	2	3	2	3	2	2	4	4	...	
6	...	1	1	9	2	...	...	4	4	3	4	1	3	1	1	1	1	1	4	3	...	114
3	...	...	...	1	4	...	...	3	2	2	1	1	...	...	1	...	2	1	...	1	...	
1	...	...	...	1	2	...	...	3	2	2	2	1	...	...	1	...	1	1	...	1	...	115
2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	116
...	
2	...	...	1	...	3	1	...	2	2	1	5	12	15	30	26	31	39	29	34	31	17	117
1	...	...	1	...	2	1	...	1	...	1	4	4	11	19	21	22	26	20	24	16	7	
1	...	...	...	...	1	...	...	1	2	...	1	8	4	11	5	9	13	9	10	15	10	118
...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	119
...	
7	1	2	2	...	12	2	3	2	9	9	9	10	8	11	16	12	17	22	25	23	18	120
5	1	1	1	...	8	2	2	...	3	2	3	1	3	8	9	7	7	9	14	11	7	
2	...	1	1	...	4	...	1	2	6	7	6	9	5	3	7	5	10	13	11	12	11	121
...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	122
...	
21	2	4	3	4	34	11	20	23	42	35	31	29	15	23	15	17	9	8	10	7	7	123
13	2	2	2	3	22	6	14	9	11	5	8	14	3	6	7	12	5	5	6	4	4	
8	...	2	1	1	12	5	6	14	31	30	23	15	12	17	8	5	4	3	4	3	3	124
...	

Table III.—Continued.—Causes of death in Michigan, by months,

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
118	Other diseases of digestive system.	Totals.	15	1	.....	3	3	1	.....	1	1	.....	1	3	1
		Males.	6	1	.....	1	.....	.....	.....	.....	.....	.....	1	2	1
		Fem.	9	.....	.....	2	3	1	.....	1	1	.....	.....	1	.....
119	Acute nephritis.	Totals.	207	16	15	11	24	19	13	15	17	21	25	18	13
		Males.	117	10	10	3	11	15	6	7	9	10	15	12	9
		Fem.	90	6	5	8	13	4	7	8	8	11	10	6	4
120	Bright's disease.	Totals.	1,745	171	125	178	189	148	115	134	126	142	124	145	148
		Males.	988	88	69	104	101	84	72	78	74	83	72	76	87
		Fem.	757	83	56	74	88	64	43	56	52	59	52	69	61
121, 122	Other diseases of kidneys.	Totals.	65	5	4	7	7	10	2	5	4	9	2	4	6
		Males.	37	2	4	5	4	6	1	2	2	4	1	2	4
		Fem.	28	3	.....	2	3	4	1	3	2	5	1	2	2
123	Calculi of urinary tract.	Totals.	12	1	1	1	1	1	2	.....	.....	2	.....	1	2
		Males.	10	.....	1	1	1	1	2	.....	.....	1	.....	1	2
		Fem.	2	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
124	Diseases of bladder.	Totals.	159	12	10	15	13	18	11	15	9	9	15	18	14
		Males.	141	12	10	14	7	17	11	12	9	8	13	14	14
		Fem.	18	.....	.....	1	6	1	.....	3	.....	1	2	4	.....
129	Uterine tumor.	Totals.	32	3	1	4	3	2	3	6	1	1	4	2	2
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	32	3	1	4	3	2	3	6	1	1	4	2	2
128, 130	Other diseases of uterus.	Totals.	29	2	2	4	.....	3	1	1	3	5	5	1	2
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	29	2	2	4	.....	3	1	1	3	5	5	1	2
131	Ovarian tumor.	Totals.	24	.....	1	4	.....	2	1	4	4	.....	3	2	3
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	24	.....	1	4	.....	2	1	4	4	.....	3	2	3
125-133	Other diseases of genito-urinary system.	Totals.	87	7	6	15	8	5	9	5	11	6	3	5	7
		Males.	61	4	4	11	5	3	8	2	8	5	2	5	4
		Fem.	26	3	2	4	3	2	1	3	3	1	1	.....	3
137	Puerperal septicemia.	Totals.	251	17	29	28	25	33	11	18	14	17	11	18	30
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	251	17	29	28	25	33	11	18	14	17	11	18	30
138	Puerperal convulsions.	Totals.	74	5	12	6	8	4	6	9	8	6	3	5	2
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	74	5	12	6	8	4	6	9	8	6	3	5	2
134-141	Other causes incident to childbirth.	Totals.	126	7	15	10	8	13	13	9	10	9	8	11	13
		Males.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Fem.	126	7	15	10	8	13	13	9	10	9	8	11	13
142	Gangrene.	Totals.	151	17	9	14	11	13	12	18	10	10	13	8	16
		Males.	93	12	7	7	6	8	9	8	6	6	7	7	10
		Fem.	58	5	2	7	5	5	3	10	4	4	6	1	6
143	Furuncle.	Totals.	8	1	.....	.....	2	1	.....	1	1	.....	.....	1	1
		Males.	3	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....
		Fem.	5	1	.....	.....	1	.....	.....	1	1	.....	.....	1	.....
144	Abscess.	Totals.	23	3	2	1	4	1	2	2	1	2	2	1	2
		Males.	16	2	2	.....	3	1	2	1	.....	2	2	.....	1
		Fem.	7	1	.....	1	1	.....	.....	1	1	.....	.....	1	1
145	Other diseases of skin.	Totals.	35	5	4	2	2	6	3	2	2	1	3	2	3
		Males.	17	1	2	.....	.....	3	2	1	1	.....	2	2	3
		Fem.	18	4	2	2	2	3	1	1	1	1	1	.....	.....
146	Diseases of bones.	Totals.	30	.....	5	4	1	5	2	1	1	3	3	3	2
		Males.	15	.....	1	2	1	4	1	.....	1	1	1	2	1
		Fem.	15	.....	4	2	.....	1	1	1	.....	2	2	1	1

ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.					Ages in five-year periods.																		Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
										1					2	2	1	3	1	1	3	1	118
														1	1	2	1	3	1	1	1	2	
18 12 6	9 6 3	4 1 3	3 1 2	5 3 2	39 23 16	8 5 3	6 3 3	3 1 2	9 6 3	7 4 5	12 7 5	9 1 8	14 8 6	16 10 6	12 4 8	9 6 3	14 7 7	11 7 4	15 12 3	15 9 6	8 5 3	119	
15 7 8	5 4 1	2 2 2		2 2	24 13 11	15 12 3	13 5 8	20 9 11	27 14 13	38 21 24	47 21 26	62 33 33	73 34 39	96 49 47	144 87 57	160 82 68	197 112 85	198 122 76	246 146 100	195 115 80	190 114 76		
6 4 2		1 1			7 4 3	1 1 1			4 3 1	2 2 2	4 1 3	5 1 2	5 1 4	2 1 1	3 2 1	4 1 3	7 4 3	10 8 2	4 4 2	6 6 2	2 2 2	121, 122	
											1 1			1 2	2 1	1 1	2 2	2 2	2 2		1 1		
4 2 2					4 2 2	1 1 1			2 2 2	1 1 3	3 2 3	2 2 1	3 3 1	2 1 1	2 2 6	6 2 6	9 8 1	11 11 1	27 25 2	26 23 3	60 54 6	124	
									1 1	1 1	6 6	4 4	7 7	3 3	4 4	3 3		2 2		1 1			
								1 1	2 2	4 4	5 5	3 3	5 5	4 4	1 1				1 1	2 2		128, 130	
									2 2	1 1	1 1	4 4	1 1	4 4	4 4	1 1		3 3	2 2				
1 1					1 1				2 2	1 1	1 1	4 4	1 1	4 4	4 4	1 1		3 3	2 2			131	
									2 2	1 1	1 1	4 4	1 1	4 4	4 4	1 1		3 3	2 2				
1 1					1 1				4 4	4 4	2 2	7 7	4 4	5 5	1 1	4 4	5 5	10 10	13 13	15 13	12 12	125- 133	
									4 4	3 3	2 2	7 7	4 4	3 3	1 1								
								21 21	62 62	59 59	51 51	37 37	15 15	5 5		1 1						137	
									21 21	62 62	59 59	51 51	37 37	15 15	5 5		1 1						
							1 1	7 7	17 17	25 25	12 12	11 11	1 1									139	
									5 5	17 17	34 34	29 29	24 24	15 15	2 2								
									5 5	17 17	34 34	29 29	24 24	15 15	2 2							134- 141	
5 3 2		1 1			6 4 2					1 1 1	2 1 1	1 1 1	6 3 3	8 4 4	5 3 2	6 6 6	10 5 5	18 13 5	29 20 9	59 38 21		142	
								1 1			1 1	1 1			2 1 1	1 1 1		1 1 1		1 1 1		143	
6 6 1	2 1 1				8 7 1	1 1 1			2 1 1				1 1 1		1 1 1	2 2 2	2 1 1	2 1 1			3 2 1	144	
21 12 9			1 1		22 13 9			1 1					3 2 1				3 3		2 1 1	2 1 1	1 1 1	145	
5 2 3		2 2			10 3 7	2 3 2	4 3 1		1 1 1					1 1 1	1 1 1	2 1 1		1 1 1	3 2 1	3 2 1	2 1 1	146	

Table III.—Continued.—Causes of death in Michigan, by months,

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
147	Diseases of joints...	Totals..	8	1	2					1		1	1		2
		Males..	5	1	1					1		1	1		1
		Fem..	3		1							1			1
148-149	Other diseases of locomotor system...	Totals..	2						1	1					
		Males..	1						1	1					
		Fem..	1												
150	Congenital malformations.....	Totals..	445	34	48	44	31	32	40	32	32	34	32	39	47
		Males..	229	16	24	29	11	17	21	20	10	23	16	19	23
		Fem..	216	18	24	15	20	15	19	12	22	11	16	20	24
151	Premature birth.....	Totals..	2,223	171	180	180	192	170	178	227	202	229	183	149	162
		Males..	1,286	99	98	98	114	101	102	130	104	138	119	89	94
		Fem..	937	72	82	82	78	69	76	97	98	91	64	60	68
152-153	Other diseases of early infancy.....	Totals..	395	45	33	43	30	30	35	42	22	28	31	31	25
		Males..	243	32	22	26	18	19	14	27	12	19	19	21	14
		Fem..	152	13	11	17	12	11	21	15	10	9	12	10	11
154	Old age.....	Totals..	1,443	151	135	177	144	132	93	108	85	83	98	103	134
		Males..	705	75	61	91	76	61	48	57	39	42	50	40	65
		Fem..	738	76	74	86	68	71	45	51	46	41	48	63	69
155	Suicide by poison.....	Totals..	169	6	11	18	19	13	18	19	18	11	17	7	12
		Males..	106	3	6	11	13	8	13	11	9	9	11	3	9
		Fem..	63	3	5	7	6	5	5	8	9	2	6	4	3
156	Suicide by asphyxia.....	Totals..	15	2	1	1	1	2		1	1	2	1	2	1
		Males..	8	1		1	1	1		1		2	1	1	1
		Fem..	7	1	1	1		1			1		1	1	
157	Suicide by hanging.....	Totals..	76	5	9	9	6	4	9	10	5	2	4	5	8
		Males..	62	3	8	7	5	3	8	8	3	2	4	4	7
		Fem..	14	2	1	2	1	1	1	2	2			1	1
158	Suicide by drowning.....	Totals..	20		2		1	3	3	4	3	2	1		1
		Males..	12		2		1	2	1	1	3	2			
		Fem..	8					1	2	3			1		1
159	Suicide by firearms.....	Totals..	114	13	10	11	10	10	15	10	11	6	8	5	5
		Males..	106	13	9	11	7	8	13	10	11	6	8	5	5
		Fem..	8		1		3	2	2						
160	Suicide by cutting instruments.....	Totals..	25	3	1	1	2	5	1	3	2	4	1	1	1
		Males..	23	3	1	1	2	5	1	3	2	4	1		
		Fem..	2											1	1
161	Suicide by jumping from high places.....	Totals..	2										1	1	
		Males..	2										1	1	
		Fem..													
162	Suicide by crushing.....	Totals..													
		Males..													
		Fem..													
163	Suicide by other or unspecified means.....	Totals..	6	1		1					2		1		1
		Males..	4	1		1							1		1
		Fem..	2								2				
164-165	Accidental poisonings.....	Totals..	104	8	7	13	8	14	7	10	9	14	8	4	2
		Males..	60	4	5	5	6	7	3	4	7	10	6	2	1
		Fem..	44	4	2	8	2	7	4	6	2	4	2	2	1
166	Conflagrations.....	Totals..	42	4	4	6	2	2	1	7	6		2	3	5
		Males..	26	3		6	1	1		7	3			1	4
		Fem..	16	1	4		1	1	1		3		2	2	1
167	Burns (conflagration excepted).....	Totals..	173	12	9	18	24	16	11	24	8	11	10	17	13
		Males..	73	6	6	8	10	6	4	11	5	3	3	9	2
		Fem..	100	6	3	10	14	10	7	13	3	8	7	8	11

ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.					Ages in five-year periods.																		Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
										1			1		1		1	1		2	1		147
										1			1		1		1	1		2	1		
										1			1										148, 149
										1			1										
432	1	4	2	3	442	1	2																150
222	1	1	1	2	227	1	1																
210		3	1	1	215		1																151
2223					2223																		
1286					1286																		152-153
937					937																		
395					395																		154
243					243																		
152					152																		155
									9	24	20	14	11	17	8	14	20	13	7	5	4	3	156
									3	5	12	9	8	14	5	10	15	11	6	3	2	3	
									6	19	8	5	3	3	3	4	5	2	1	2	2		157
										2	2			3	1	2	2	2			1		158
										2	1			2	1	2	1	1			1		
										1	1	3	4	5	9	10	6	8	11	8	3	2	159
										1	1	3	3	8	5	6	8	9	6	3	2	2	
												1	2	1	5		2	2	2		1		160
										1	2	2	1		4	3	3	1	1			1	161
										1	1	1			2	2	2	1				1	
															2	1	1						162
																							163
																							164-165
13	21	9	10	3	56	1	1	4	2	3	3	9	3		5	4	5	3	1	2	1	1	166
10	10	3	3	2	28		1	2		1	2	6	3		4	3	5	1	1				
3	11	6	7	1	28			2	2	2	1	3			1	1		2			1		167
	1	1	3	2	7	3	2	1	2	1	2		1	2	3	3	3	3	1	2	5	1	168
			2	1	3	1				1					1	1	2	1	1		1	3	169
5	27	30	9	11	82	8	3	6	11	5	5	6	3	9	5	4	4	6	7	4	5		170
1	15	16	3	4	39	3	1	4	2	1	1	3		7		1	5	2	2	1			
4	12	14	6	7	43	5	2	2	9	4	4	3	3	2	5	3	3	1	5	2	4		171

VITAL STATISTICS OF MICHIGAN, 1911.

Table III.—Continued.—Causes of death in Michigan, by months,

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
168	Inhalation of noxious gases	Totals..	38	1	5	2	2	5	4	1	4	3	6	2	3
		Males..	24	1	2	2	2	1	3	1	4	3	2	1	2
		Fem..	14		3			4	1				4	1	1
169	Accidental drowning	Totals..	356	6	5	21	12	41	64	90	58	21	11	9	18
		Males..	310	5	5	19	12	39	57	73	50	19	8	6	18
		Fem..	45	1		2		2	7	17	8	2	3	3	
170	Traumatism by firearms	Totals..	65	4	4	2	3	4	2	4	11	5	7	11	8
		Males..	60	4	4	1	2	4	2	3	10	5	7	11	7
		Fem..	5			1	1			1	1				1
171	Traumatism by cutting instruments	Totals..	3									1		2	
		Males..	2									1		1	
		Fem..	1											1	
172	Traumatism by fall	Totals..	229	28	14	25	17	18	15	26	20	16	16	16	18
		Males..	167	22	10	18	14	9	9	19	15	14	13	12	12
		Fem..	62	6	4	7	3	9	6	7	5	2	3	4	6
173	Traumatism in mines and quarries	Totals..	131	5	14	8	8	22	11	13	12	8	9	13	8
		Males..	131	5	14	8	8	22	11	13	12	8	9	13	8
		Fem..													
174	Traumatism by machinery	Totals..	41	5	3	3	2	6	5	4	5	1	2	3	2
		Males..	40	5	3	3	2	6	4	4	5	1	2	3	2
		Fem..	1						1						
175.1	Traumatism by railroads	Totals..	275	21	16	14	16	20	24	22	24	41	30	15	32
		Males..	255	20	15	14	15	20	20	20	23	37	28	13	30
		Fem..	20	1	1		1		4	2	1	4	2	2	2
175.2	Traumatism by electric railways	Totals..	115	10	5	7	9	6	21	12	6	8	13	8	10
		Males..	84	9	3	5	5	4	13	8	5	8	12	4	8
		Fem..	31	1	2	2	4	2	8	4	1		1	4	2
175.3	Traumatism by automobiles	Totals..	44		3	1	4	6	3	6	4	3	9	5	
		Males..	34		2	1	2	4	2	5	2	3	9	4	
		Fem..	10		1		2	2	1	1	2			1	
175.4	Traumatism by other vehicles	Totals..	74	1	3	4	7	5	4	8	13	12	9	5	3
		Males..	61		3	4	5	4	3	7	9	12	7	4	3
		Fem..	13	1			2	1	1	1	4		2	1	
176	Traumatism by animals	Totals..	41	1	2	2	4	5	3	5	7	3	7	1	1
		Males..	38	1	2	2	3	5	3	5	6	2	7	1	1
		Fem..	3				1				1	1			
178	Cold and freezing	Totals..	14	3	1	2						1		7	
		Males..	14	3	1	2						1		7	
		Fem..													
179	Effects of heat	Totals..	57					4	5	46	2				
		Males..	43					3	3	35	2				
		Fem..	14					1	2	11					
180	Lightning	Totals..	16					6	3	1	4	1	1		
		Males..	14					5	3	1	3	1	1		
		Fem..	2					1			1				
181	Electricity (lightning excepted)	Totals..	33	2	1			3	8	4	3	8	2	1	1
		Males..	31	2	1			3	7	3	3	8	2	1	1
		Fem..	2						1	1					
182, 3, 4	Homicide	Totals..	68	1	6	4	6	6	4	10	7	5	9	8	2
		Males..	48		4	3	4	4	2	7	5	5	7	5	2
		Fem..	20	1	2	1	2	2	2	3	2		2	3	

CAUSES OF DEATHS.

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ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.					Ages in five-year periods.																		Classification No.	
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.		
5 4 1	1 1 ...	...	2 ...	...	8 5 3	1 1 ...	1 1 ...	2 1 ...	2 1 ...	1 1 ...	3 3 ...	3 2 1	1 ...	...	3 1 2	3 2 1	2 2 ...	...	...	4 1 3	...	4 3 1	168
3 3	16 12 4	8 6 2	7 5 2	4 4 ...	38 30 8	36 32 4	43 33 10	67 58 9	42 40 2	33 30 3	18 14 4	13 11 2	12 12 ...	12 10 2	9 9 ...	9 9 ...	6 6 ...	4 4 ...	2 2 1	2 2 1	5 5 5	169		
...	1 1 1	...	2 2 ...	6 6 ...	14 12 2	20 18 2	10 9 1	2 2 ...	1 ...	3 3 ...	3	1 1 ...	1	1 1 ...	1 1			170
...	...	...	...	...	...	1 1 ...	...	...	...	...	2 1 1	...	...	...	...	...	...	...	...	...	...		171
2 2	2 1 1	3 2 1	1 1 ...	3 1 2	11 7 4	7 5 2	3 3 ...	6 6 ...	9 9 ...	13 13 ...	9 8 1	9 7 2	14 14 ...	12 10 2	14 14 ...	11 7 4	16 13 3	14 13 1	19 10 9	19 8 11	43 20 23	172		
...	14 17	17 15	15 8	8 2	2 3	3 2	2 2	1 1			173
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		174
...	...	...	...	...	...	...	1 1	8 8	2 2	8 8	6 6	5 1	...	...	5 5	2 2	2 2	2 2	...	...	...	175.1	
1 1	2 2	3 3	5 3	5 5	20 20	31 30	27 26	31 26	28 26	23 23	19 17	20 19	12 10	14 14	12 10	7 7	9 8	5 4			175.2
...	...	1 1	1 ...	...	2 1	4 2	1 ...	9 8	12 11	6 5	7 7	6 6	8 4	18 11	8 7	5 3	4 1	5 5	2 4	4 3	3 2		175.3
1 1	...	...	...	...	1 1	6 3	5 5	5 1	20 1	31 1	27 5	28 2	23 2	19 2	20 1	12 2	14 1	12 2	7 1	9 1	5 1	175.4	
3 2 1	2 1 1	1 1 ...	3 2 1	2 2 ...	11 8 3	7 6 1	1 1	2 1	4 4	4 4	...	4 3	1 1	5 5	9 7	5 5	4 4	7 4	5 5	3 3	1 1			176
...	...	1 1	1 ...	...	2 2	3 1	4 4	3 3	3 3	1 1	2 1	1 1	1 1	3 3	3 3	5 5	2 2	3 3	2 2	2 2	...		178
...	...	...	...	...	...	...	...	...	...	1 1	1 1	2 2	1 1	3 3	1 1	1 1	...	1 1	2 2	...	...	179	
3 1 2	3 1 2	1 1	2 1	1 1	1 1	6 6	8 8	5 5	2 1	3 3	1 1	7 4	8 6	2 1			8 5
1 1	1 1	2 2	1 1	1 1	1 1	1 1	2 2	...	2 2	...	1 1	2 2	1 1	...	1 1		181	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	182, 3, 4	
3 3	2 1	5 4	...	1 1	4 3	8 7	10 8	7 5	9 2	6 2	8 3	3 3	1 1	1 1	1 1	2 2	1 1	...			182, 3, 4
...	...	...	...	1 1	...	...	...	1 1	...	...	2 2	2 2	2 2	4 3	...	...	1 1	...	...	2 2	1 1		...

VITAL STATISTICS OF MICHIGAN, 1911.

Table III.—Concluded.—Causes of death in Michigan, by months,

Classification No.	Causes of death, 1911.	Sex.	Total deaths, 1911.	Months of deaths, 1911.											
				Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
185	Fractures and dis- locations (cause not specified).....	Totals..	51	2	6	6	9	2	2	4	1	3	7	6	3
		Males..	17	1	1	.....	2	1	1	1	1	1	1	4	3
		Fem....	34	1	5	6	7	1	1	3	.....	2	6	2	.....
186	Other accidental traumas.....	Totals..	220	28	26	14	11	16	15	17	17	19	13	22	22
		Males..	186	25	23	12	7	13	14	15	13	17	9	19	19
		Fem....	34	3	3	2	4	3	1	2	4	2	4	3	3
187	Ill-defined organic diseases.....	Totals..	281	16	30	24	26	19	16	25	29	23	24	21	28
		Males..	146	8	15	16	15	8	9	13	10	13	13	12	14
		Fem....	135	8	15	8	11	11	7	12	19	10	11	9	14
188-9	Unknown.....	Totals..	111	11	9	12	11	14	1	7	9	15	6	11	5
		Males..	71	7	2	7	11	5	1	3	8	10	5	9	3
		Fem....	40	4	7	5	9	4	1	5	1	2	2

CAUSES OF DEATHS.

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ages and sex, during the year 1911. (Stillbirths excluded).

Ages in years under five.						Ages in five-year periods.																	Classification No.
0.	1.	2.	3.	4.	0 to 4.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	Unknown.	
									2		2	1		1				2	8	7	27	1	} 185
									2		2	1		1				2	2	3	5	1	
																			6	4	22		} 186
37	5	2	6	5	55	11	4	15	17	20	11	16	14	11	13	12	6	7	4	1	2	1	
21	3	2	3	4	33	8	4	14	17	19	11	11	14	11	13	12	5	6	4	1	2	1	} 186
16	2		3	1	22	3		1		1		5					1	1					
29	34	7	2	1	73	5	3	5	4	7	5	5	10	10	13	17	21	31	29	13	26	4	} 187
17	14	4	1	1	37	3	1	2		4	3	1	9	6	7	10	11	15	14	9	10	4	
12	20	3	1		36	2	2	3	4	3	2	4	1	4	6	7	10	16	15	4	16		} 188-189
70	4	1			75	2	1				2	3	1	3	5	3	4	1	4		5	2	
44	1	1			46	1					1	3	1	2	5	3	4		2		1	2	} 189
26	3				29	1	1				1			1				1	2		4		

Table IV.—Causes of death in Michigan, by

Classification No.	Causes of death, 1911.	State.	Counties—Alcona															
			Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
	ALL CAUSES.....	38,007	63	68	508	286	206	102	68	297	812	143	682	353	846	309	238	215
	GENERAL DISEASES.																	
	(I. Epidemic diseases.)																	
1	Typhoid fever.....	551	1	1	4	18	3	1	2	3	24	3	8	2	9	2	3	2
4	Malarial fever.....	14					1											
5	Smallpox.....	7													3			1
6	Measles.....	200		1	3		7	2	1	3	2		6	4	4	2	2	1
7	Scarlet fever.....	208			1	1		3			11	2	7	2	1	2	5	
8	Whooping cough.....	254		1	4	3		1	1	1	3	2	4	2	2		1	2
9	Diphtheria.....	431		1	2	1		1			10		3		8		4	1
	Croup.....	42			1		1				2					1		
10	Influenza.....	603	6		8	2	4		1	12	13	1	17	9	18	9	5	1
13	Cholera nostras.....	18								1	2							
14	Dysentery.....	87			2	1	1		1	1			4		1			
18	Erysipelas.....	141	1		2						2	3	1	2	2			
19	Other epidemic diseases.....	3																
	(II. Other general diseases.)																	
20	Septicemia.....	214		3	1	2	1		2		4		6	2	3	2	3	
24	Tetanus.....	35				2					1				1			
28	Tuberculosis of the lungs.....	2,284	1	4	28	20	12	7	5	10	53	9	47	15	35	12	15	13
29	Miliary tuberculosis.....	46			3	1			1			1		1	1	1		
30	Tubercular meningitis.....	128		1				1			3		1		1	1		
31	Abdominal tuberculosis.....	153	1		1	2	1	2		3	5	2	6	1	3	6	1	
32	Pott's disease.....	30																
33	White swelling.....	8																
34	Tuberculosis of other organs.....	76				2	1	1					2		1	1		
35	Disseminated tuberculosis.....	41								1		1			1		1	1
37-38	Venereal diseases.....	104		1						1				1	2	2	2	
39	Cancer of mouth.....	83			1	3			1				3	1	4	3		
40	Cancer of stomach and liver.....	917			14	6	4	1	4	7	19	1	15	15	25	6	5	4
41	Cancer of intestines.....	306			6		1			2	11		5	4	9	1	1	1
42	Cancer of genital organs.....	273			7			1		3	7	2	4	5	7		1	1
43	Cancer of breast.....	175			2		1			2	2	1	4	1	8	2	1	
44	Cancer of skin.....	114			4	1		2		2	2	1	1	4	4			

CAUSES OF DEATHS.

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counties, during the year 1911. (Stillbirths excluded).

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Graiot.	Hilledale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
263	97	302	48	350	205	440	217	802	91	242	369	343	416	998	383	637	427	89	187	220	714	967	95	2404	99	
6	1	1	8	1	7	2	12	2	3	11	12	12	9	1	12	4	3	4	11	6	1	35	1	4	5	6
1							1					1	1									1				4
												1														5
					1	1	1	2	1	3	6		8	6	3	1	1			1	7		28	6		6
					2	1		2	1	1	3		1	5	1	2				3	3	2	1	14	7	7
1					7	3	1	2	6	1	2	3	2	29	3	6	7	2	2	1	2	5		14	8	8
8	1	1	8	7	1	1	6		2			1	1	33	4	2					7	2		15	6	9
				1															1			1		4		9
6	1	4		3		14	3	10	1	1	1	9	14	3	7	21	17	2	2	5	18	19	2	22	1	10
				1					1																	13
4				1				1		1		1		3	1	1	2			1	1	5	1	13		14
1	1			4	1	1	1	6				2	1	4	2	1	1		1			6		9		18
																					1					19
			2	3		4	1	4		3		1	1	8	1	5	3	1	2	1		8		18	1	20
					1		1					1		3		1					2			2	1	24
23	4	18	4	30	15	17	19	35	5	20	29	21	16	69	21	33	24	5	9	12	43	61	4	155	7	28
								1			2			1			1					2		1		29
				1	3	1	1	6		1	2			12	1	1			2		1	1		9		30
2			1	2		1	2	4		3	2	2		4	1	5			2		1	5		13		31
1						1				1	1	1		2	1	1	1				1		1	1		32
													1								1			1		33
					1		1	2			2	1	2				1	1		1		2		5	2	34
					1					1	3						1	2				1		3		35
2	1			1			2	1			1		3	1		1		1		1	2	3		6	1	37-38
	2								1	2		1		1		1		1			1	3		4		39
4	2	9	2	10	4	13	4	12		3	8	11	8	23	6	12	11	2	3	7	20	22	2	67	2	40
3	1	2				6	1	10			1	3	5	6	1	7	1		1		6	11	3	21	1	41
		3		1	1	4	1	6	1		4		3	4	2	6	3	1		1	6	5		22	1	42
	1	1		2	1	4		6		1	1	1	1	2		5	2			1	3	7		7		43
				2			1	3	1		2	3	1	4	1	3	1	1		1	3	3		8		44

Table IV.—Continued.—Causes of death in Michigan, by

Classification No.	Causes of death, 1911.	State.	Counties—Alcona															
			Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
45	Cancer of other organs.....	274	...	...	7	4	1	1	...	...	5	...	6	2	9	5	...	...
46	Tumors.....	52	...	...	...	...	...	...	...	...	...	...	4	...	3	...	3	...
47-48	Rheumatism.....	152	1	...	2	1	...	...	1	...	3	1	2	1	2	1	...	...
50	Diabetes.....	373	...	1	7	1	1	...	...	5	6	2	8	7	21	3	5	1
53-54	Anemia.....	340	1	1	3	3	4	1	...	6	3	...	3	...	12	3	1	3
56	Alcoholism.....	89	...	...	...	...	1	...	...	2	...	3	...	1	...	1	1	...
57-59	Chronic poisoning.....	23	...	...	...	...	1	...	...	...	...	4	...	...	...	...	...	...
55	Other general diseases.....	186	1	2	2	1	...	2	...	2	3	2	3	3	8	...	...	...
LOCAL DISEASES.																		
III. DISEASES OF NERVOUS SYSTEM.																		
60	Encephalitis.....	73	1	...	1	2	...	...	...	...	5	1	3	...	...	...	1	1
61	Meningitis.....	487	...	...	2	2	1	...	...	3	12	...	8	4	13	1	1	3
62	Locomotor ataxia.....	53	...	...	1	...	1	...	...	3	1	...	...	...	...	...	2	...
63	Other diseases of spinal cord.....	151	...	...	3	...	...	...	...	2	3	1	1	1	3	...	2	...
63.1	Poliomyelitis.....	55	...	...	1	1	...	1	...	1	...	...	1	...	...	...	...	...
64	Apoplexy.....	2,080	2	...	31	12	8	3	2	30	24	5	49	30	58	27	7	9
65	Softening of brain.....	53	...	...	1	...	...	...	...	2	1	...	1	3	...	...	...	...
66	Paralysis.....	783	2	...	14	6	4	1	1	7	9	2	22	13	22	9	5	3
67	General paralysis of insane.....	74	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
68	Other forms of mental diseases.....	67	...	...	...	...	1	1	...	1	4	...	...	...	...	...	...	...
69	Epilepsy.....	125	...	...	...	...	2	...	1	1	5	...	1	...	5	...	...	1
70-71	Convulsions.....	391	...	...	4	12	3	1	5	1	4	2	6	...	2	...	3	4
73-76	Other diseases of nervous system.....	186	1	...	3	1	...	...	...	2	4	1	6	...	6	3	1	...
IV. DISEASES OF CIRCULATORY SYSTEM.																		
77	Pericarditis.....	46	...	...	1	1	...	...	...	...	...	...	...	1	...	...	1	...
78	Endocarditis.....	197	...	...	1	...	...	...	...	1	7	...	2	1	7	3	5	1
79	Heart disease.....	4,151	8	2	66	19	28	19	2	48	69	11	98	67	128	49	28	27
80	Angina pectoris.....	245	...	...	...	2	1	...	1	3	6	...	2	2	9	6	1	...
81	Diseases of arteries.....	529	...	...	4	...	1	...	...	6	7	...	12	9	15	7	2	...
82	Embolism.....	143	...	...	5	...	...	...	...	...	5	...	...	2	5	4	...	1
83	Diseases of veins.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
84	Diseases of lymphatics.....	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
85	Other diseases of circulatory system.....	26	...	...	1	1	...	1	...	...	2	...	...	...	2	...	...	1

counties, during the year 1911 (Stillbirths excluded).

to Keweenaw.

to Keweenaw.																									Classification No.	
Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Gratiot.	Hilledale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.		Keweenaw.
...	...	3	...	1	1	7	2	9	...	1	1	8	5	10	4	5	1	...	2	5	6	9	...	18	...	45
...	...	1	1	...	...	...	...	2	...	...	...	1	1	2	1	3	...	...	...	...	...	1	...	1	...	46
1	...	1	...	3	...	1	1	4	1	...	1	2	1	2	1	2	4	2	...	...	2	2	...	15	...	47-48
5	...	8	...	5	1	3	2	12	2	1	4	5	7	5	3	7	8	3	1	1	11	7	2	25	...	50
1	2	1	...	3	...	1	...	9	1	...	3	7	7	12	3	5	1	...	...	...	8	17	...	27	...	53-54
...	1	...	...	3	1	...	...	1	...	...	...	...	2	3	...	1	...	1	3	...	...	1	...	4	...	56
...	...	...	1	1	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	2	...	57-59
...	...	2	...	1	2	4	1	4	...	3	...	...	2	6	2	2	4	...	1	...	5	10	...	11	1	55
...	...	...	...	...	1	1	...	1	...	...	1	...	...	2	...	1	...	...	...	...	...	1	...	5	...	60
7	1	3	...	2	1	9	1	3	2	3	5	4	4	19	5	5	7	1	2	3	8	9	...	30	2	61
...	2	...	...	...	...	1	...	1	...	...	...	...	2	...	1	...	...	1	...	...	2	1	...	4	...	62
...	...	3	...	...	...	...	2	2	1	1	1	1	...	3	3	5	2	...	...	1	2	5	...	9	...	63
1	...	...	...	2	...	1	1	2	1	1	...	1	...	...	1	...	...	...	...	...	1	3	...	7	...	63.1
4	4	14	...	15	2	32	7	51	5	3	25	19	31	46	17	38	35	3	4	17	54	80	3	157	2	64
...	...	...	...	...	1	1	1	...	...	...	...	1	2	...	...	2	...	...	...	2	1	2	...	6	...	65
5	1	14	1	5	1	11	3	29	3	...	15	9	11	5	6	24	10	2	1	4	20	28	1	40	1	66
...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	2	...	1	...	67
...	1	...	...	1	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	4	...	2	...	68
...	...	...	...	...	1	2	...	1	1	...	9	1	1	1	1	...	4	...	...	4	1	6	...	4	...	69
3	...	...	...	4	2	1	3	3	...	11	1	1	3	24	5	4	2	1	3	2	1	2	3	9	13	70-71
...	...	2	...	1	...	2	...	4	...	1	24	...	...	3	1	5	3	...	...	...	5	6	...	12	...	73-76
...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	1	1	3	...	77
3	...	...	...	6	...	4	2	3	1	3	...	3	2	8	...	2	2	...	2	1	5	8	...	12	...	78
21	12	70	5	27	17	78	30	61	13	9	53	41	69	85	41	100	70	7	10	29	85	117	6	282	4	79
1	3	4	...	1	...	4	...	8	...	1	2	2	6	4	...	12	5	...	...	1	10	10	1	9	...	80
3	2	4	...	2	2	8	2	11	1	3	11	1	6	4	...	3	9	1	2	3	4	28	1	31	...	81
1	...	1	...	...	2	2	...	3	...	...	1	2	1	6	...	2	3	...	...	2	5	9	...	14	1	82
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	83
...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	84
...	...	...	...	...	...	...	3	1	...	...	...	...	1	...	...	...	2	...	...	...	1	...	...	...	...	85

Table IV.—Continued.—Causes of death in Michigan, by

Classi- fication No.	Causes of death, 1911.	State.	Counties—Alcona															
			Alcona.	Alger.	Allegan.	Alpena.	Antrim.	Arenac.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.
	V. DISEASES OF RESPIRATORY SYSTEM.																	
86	Diseases of the nasal fossæ.....																	
87	Diseases of the larynx.....	61		2		1		1			1			2	1	1		
88	Diseases of the thyroid body.....	19		1								1			1			
89	Acute bronchitis.....	426		3	9	14	5	2	1	3	7	2	5	2	6		8	2
90	Chronic bronchitis.....	290			11	1	2		1	3	1	2	4	3	7	6	1	1
91	Bronchopneumonia.....	805		2	11	2	4	1		4	20		8	3	8	4	7	1
92	Pneumonia.....	1,958	6	2	34	14	5	7	2	15	41	11	27	11	32	20	8	14
93	Pleurisy.....	105	1	1	2	2				1	2	1	1	1	4			2
94	Congestion of lungs.....	195		2	3	1		1		1	8	2	4		4		4	3
95	Gangrene of lungs.....	7																
96-97	Asthma and emphysema.....	79				1				1		1	2	1			1	1
98	Other diseases of respiratory system.....	87			2		1				1			2	3			
	VI. DISEASES OF DIGESTIVE SYSTEM.																	
99	Diseases of the mouth.....	17			1		1				1				2			
100	Diseases of the pharynx.....	57									1		3	1			1	
101	Diseases of the oesophagus.....	6																
102	Ulcer of the stomach.....	91			1	2	1	1		1	3	1			5	1		
103	Other diseases of the stomach.....	599			14	8	3	2	1	8	22	2	2	6	9	5	2	5
104	Diarrhea and enteritis (under 2 years).....	1,598	4	11	12	15	8	4		6	37	7	22	7	12	14	13	13
105	Diarrhea and enteritis (over 2 years).....	425	2	1	4	1	3	2		4	6	5	9	6	7	7	2	4
108	Appendicitis.....	258			2	1	2	1	1	2	10	1	3	2	8	1	1	2
	Hernia.....	368	4		5	2	4			5	14	3	8	2	9	2	2	2
109	Obstruction of intestines.....																	
	Other diseases of intestines.....	86			3	1							2	1				1
111	Acute yellow atrophy of liver.....	18																1
112	Hydatid tumor of liver.....	2													1			
113	Cirrhosis of liver.....	278	1		4	1	2		1	1	4		5	2	8	1	1	2
114	Biliary calculi.....	64				2				1	2	1			5	1		
115	Other diseases of the liver.....	208			1	1	2		1	3	8		7	3	9	3	2	2
116	Diseases of the spleen.....	5						1										
117	Peritonitis.....	336		1	3	2	1		3	3	11	1	2	2	5			2
118	Other diseases of the digestive system.....	15										2						

counties, during the year 1911. (Stillbirths excluded).

to Keweenaw.

Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Dickinson.	Eaton.	Emmet.	Genesee.	Gladwin.	Gogebic.	Gd. Traverse.	Graiot.	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Iron.	Isabella.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Classification No.
.....	.....	.....	.....	.....	1	1	.....	2	.....	.....	.....	.....	.....	3	.....	1	1	.....	.....	.....	.....	.....	.....	4	.....	86
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	87
6	1	.....	.....	4	.....	1	5	7	2	7	6	5	4	19	4	6	4	.....	11	2	5	4	2	27	6	88
.....	1	2	.....	.....	1	2	1	10	1	.....	3	4	1	5	4	9	3	.....	1	.....	6	4	3	22	.....	89
5	1	4	2	10	4	5	1	11	3	6	8	1	7	21	8	1	4	.....	4	2	8	31	.....	50	3	90
18	1	13	1	15	10	26	9	43	7	18	14	16	20	49	17	31	17	7	8	5	28	44	5	139	2	91
3	1	.....	.....	.....	1	4	2	1	.....	.....	1	.....	2	1	2	1	1	.....	.....	.....	3	2	.....	12	.....	92
.....	1	.....	.....	3	2	2	.....	3	.....	.....	1	1	.....	6	2	2	2	.....	1	.....	3	5	.....	11	.....	93
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	94
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95
1	.....	1	.....	.....	.....	1	3	3	.....	.....	.....	.....	.....	2	.....	2	1	.....	.....	1	1	2	.....	7	.....	96-97
.....	.....	.....	.....	1	.....	1	.....	1	.....	1	1	.....	2	1	.....	1	.....	.....	.....	.....	2	1	.....	4	1	98
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	99
.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	1	2	4	1	1	.....	100
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	101
2	.....	.....	.....	2	.....	2	.....	.....	.....	.....	1	.....	2	1	2	1	.....	.....	.....	.....	4	5	.....	7	1	102
5	2	6	.....	5	4	3	4	15	1	.....	3	8	6	7	6	5	5	.....	.....	1	8	14	3	51	2	103
15	3	4	4	29	26	5	5	26	1	20	8	9	4	76	21	16	13	7	17	12	15	23	7	86	5	104
1	3	4	1	4	2	2	1	8	1	4	6	4	12	11	3	7	4	.....	1	4	4	17	4	18	.....	105
3	.....	5	1	2	1	1	2	4	.....	1	1	3	3	5	1	4	1	.....	.....	3	7	5	.....	15	.....	106
2	.....	3	1	4	3	10	3	7	.....	1	1	4	2	6	1	3	1	.....	1	2	4	11	.....	24	.....	107
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	108
.....	.....	.....	.....	1	2	.....	2	4	1	.....	1	.....	1	4	.....	.....	1	.....	.....	1	1	2	.....	4	.....	109
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	110
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	111
1	2	6	.....	3	.....	2	2	9	.....	1	1	1	5	4	2	4	4	.....	1	1	1	3	.....	19	.....	112
1	.....	1	.....	.....	.....	1	.....	2	.....	.....	.....	.....	2	.....	2	.....	.....	.....	.....	.....	1	4	.....	2	.....	113
1	3	3	.....	.....	1	3	2	3	1	1	2	.....	3	1	.....	2	2	.....	1	2	5	7	.....	12	.....	114
.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	115
.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	116
.....	3	.....	.....	4	.....	4	2	6	.....	.....	2	3	.....	8	5	5	4	1	2	1	6	7	1	24	1	117
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	118

Table IV.—Continued.—Causes of death in Michigan, by

Classification No.	Causes of death, 1911.	Counties—Lake													
		Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Macineac.	Macomb.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.	Midland.
	VII. DISEASES OF THE GENITO-URINARY SYSTEM.														
119	Acute nephritis.....			1	5				3	4	5	2	1		1
120	Bright's disease.....	7	23	6	32	5	1	1	44	19	18	10	13	5	4
121-122	Other diseases of the kidneys.....		2		1				1				4	1	
123	Calculi of urinary passages.....								2						1
124	Diseases of the bladder.....		3		3			1	2	2	1	1		2	5
129	Uterine tumor.....				2										
128-130	Other diseases of the uterus.....														1
131	Ovarian tumor.....				1										
125-133	Other diseases of the genito-urinary system.....			1	2					2					
	VIII. CHILDBIRTH.														
137	Puerperal septicoemia.....	1			1	1		3	2	1	1		3	3	4
138	Puerperal convulsions.....				2	1				1	2				1
134-141	Other causes incident to childbirth.....			2	1	1		1		1	1	1	2		2
	IX. DISEASES OF THE SKIN.														
142	Gangrene.....		1	1		2			2	2	5		2		1
143	Furuncle.....				1										5
144	Abscess.....										1				1
145	Other diseases of the skin.....		1	1	1			1					1		
	X. DISEASES OF THE LOCOMOTOR SYSTEM.														
146	Diseases of the bones.....		1		1								2		
147	Diseases of the joints.....				1										
148-149	Other diseases of the locomotor system.....														
	XI. MALFORMATIONS.														
150	Congenital malformations.....		2	3	7	1		3	2	2	8	3	3	6	1
	XII. EARLY INFANCY.														
151	Congenital debility.....	3	13	8	21	14	4	5	22	17	40	8	5	26	6
152-153	Other causes peculiar to early infancy.....		2	1	4	1		1	5	3	9	3	4	1	2
	XIII. OLD AGE.														
154	Old age.....		28	8	24	14	1	3	45	10	7	7	9	7	4

CAUSES OF DEATHS.

167

counties, during the year 1911. (Stillbirths excluded).

to Wexford.

Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Oscoda.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Rosecommon.	Saginaw.	St. Clair.	St. Joseph.	Sanilac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification. No.
...	1	3	6	2	1	...	1	...	...	1	...	...	2	6	1	1	1	1	3	1	5	54	...	119
3	26	8	39	8	1	4	13	...	7	31	3	1	45	40	19	15	3	18	17	35	38	313	13	120
...	2	2	...	...	...	...	...	...	...	...	...	...	5	1	2	1	...	1	1	1	2	14	...	121-122
...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	1	1	...	123
...	3	2	3	1	...	...	...	...	4	2	...	...	5	6	...	...	1	...	1	3	7	16	3	124
...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	7	...	...	129
...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	3	8	...	128-130
...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	1	...	...	...	2	6	1	...	131
1	1	2	2	...	...	...	...	...	2	...	...	...	4	1	2	3	...	1	...	3	24	...	...	125-133
...	8	1	7	1	1	3	2	1	1	3	2	...	6	5	1	...	1	...	2	2	3	65	3	137
...	2	1	...	...	...	...	...	...	2	2	...	...	2	3	1	1	...	...	...	1	16	...	...	138
...	3	1	...	...	1	1	1	...	1	2	...	...	2	1	1	1	...	2	2	...	2	34	2	134-141
...	3	1	2	1	2	...	...	...	2	1	...	...	5	5	1	1	...	...	6	3	2	18	...	142
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	143
...	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	1	...	1	8	...	...	144
...	...	...	...	1	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	1	1	14	...	145
...	...	...	1	...	...	...	1	...	1	...	...	...	1	...	2	...	...	...	...	1	1	9	2	146
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	147
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	148-149
1	4	1	4	6	1	2	4	...	1	10	2	...	11	5	6	5	1	13	5	8	10	96	3	150
1	28	11	28	11	9	4	12	2	...	25	12	...	80	42	13	23	5	17	19	17	17	683	22	151
...	4	8	7	6	1	...	6	...	1	8	3	...	7	4	...	8	2	5	9	5	4	94	6	152-153
1	12	11	43	9	2	5	3	...	7	15	5	...	42	30	12	15	1	17	29	31	32	278	8	154

Table IV.—Concluded.—Causes of death in Michigan, by

Classification No.	Causes of death, 1911.	Counties—Lack																
		Iake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Luce.	Mackinac.	Macomb.	Manistee.	Marquette.	Mason.	Mecona.	Menominee.	Midland.	Missaukee.	Monroe.	Montcalm.
	XIV. VIOLENCE.																	
	<i>Suicide:</i>																	
155	Suicide by poison.....		1	1	5			1	5	1	1	1	1				3	1
156	Suicide by asphyxia.....																	
157	Suicide by hanging.....	1	3		1					2	1	1	1		2	1	2	1
158	Suicide by drowning.....			1					1	1		1		1			1	
159	Suicide by firearms.....	1	1	1			1		1		2				1			
160	Suicide by cutting instruments.....									1	1							1
161	Suicide by jumping from high places.....																	
162	Suicide by crushing.....																	
163	Suicide by other or unspecified means.....																	
	<i>Accidents:</i>																	
164-165	Accidental poisoning.....		1		3	1					1		1		1	1	1	1
166	Conflagration.....		1			1											1	
167	Burns (conflagration excepted).....		1		1		1		1	1		2		1	3			3
168	Absorption of deleterious gases.....			1														
169	Accidental drowning.....	1	3	3	4	1		3	3	8	7	3	3	4			5	7
170	Traumatism by firearms.....	1	1		3			1			1	2	1	1		1		1
171	Traumatism by cutting instruments.....																	
172	Traumatism by fall.....	1	2	1	3	2	1		7	4	6	3	4	2		1	1	1
173	Traumatism in mines and quarries.....										25							
174	Traumatism by machinery.....																	
175.1	Traumatism by railroads.....		3		4	1	2	1		2	11	1	1	3	1		9	4
175.2	Traumatism by electric railway.....									3								
175.3	Traumatism by automobile.....									1	1							
175.4	Traumatism by other vehicles.....				1			1	1	1		1	1					
176	Traumatism by animals.....			1									3			1		
178	Cold and freezing.....							1										
179	Effects of heat.....		2		2	1					1						2	
180	Lightning.....																	
181	Electricity (lightning excepted).....		1									1						
185	Fractures (cause not specified).....				2						1		1	1				1
175-177	Other accidental traumatisms.....				1	2	1	2		4	10	2	3	4	2			2
186																		
182-3-4	Homicide.....	3						1			5	1					1	1
	XV. ILL-DEFINED DISEASES.																	
187-8-9	Ill-defined organic diseases.....	1	3	1	7	1		2	4	1	1	4	1	2	1	3	3	4
Unk.	Unknown.....	1		2		2		2	1	2	9		1	3	2	1	2	2

counties, during the year 1911. (Stillbirths excluded).

to Wexford.

Montgomery.	Muskegon.	Newsygo.	Oakland.	Oscoda.	Ogemaw.	Ontonagon.	Oceola.	Oscoda.	Osego.	Ottawa.	Presque Isle.	Rosecommon.	Saginaw.	St. Clair.	St. Joseph.	Sauillac.	Schoolcraft.	Shiawassee.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.	Classification. No.
...	...	1	7	...	1	...	...	...	...	6	...	...	4	...	4	1	...	1	2	1	5	49	...	155
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	8	...	156
...	1	1	5	...	...	...	...	...	...	2	1	...	1	...	...	...	...	2	2	1	3	12	...	157
...	...	...	...	...	...	1	...	...	...	2	1	...	...	...	...	...	...	...	...	...	1	9	...	158
...	3	2	5	...	...	1	...	...	...	2	1	...	2	3	2	1	...	1	...	2	36	1	...	159
...	2	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	1	3	1	...	160
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	161
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	162
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	163
...	1	...	1	1	...	1	...	3	1	...	...	...	...	2	...	2	...	3	...	2	2	22	1	164-165
...	1	...	...	2	...	...	...	...	...	...	...	...	...	1	1	...	...	1	...	...	1	8	...	166
...	3	1	2	...	1	...	1	...	3	...	...	...	8	1	1	...	...	1	1	2	3	46	1	167
...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	2	22	...	168
...	2	2	10	3	1	2	2	...	1	9	4	...	11	10	4	...	...	2	1	8	6	53	1	169
...	3	...	...	...	1	...	...	...	...	1	...	...	2	1	2	1	...	...	...	...	9	3	...	170
...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	171
...	1	2	4	...	...	1	2	...	7	1	...	...	5	9	1	1	...	4	1	3	2	70	...	172
...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	173
...	...	...	...	...	1	...	...	...	1	...	...	...	1	1	...	...	...	1	...	...	1	10	2	174
1	2	...	5	...	1	3	1	...	2	2	1	...	13	...	4	1	...	12	...	3	9	52	4	175.1
...	1	...	9	...	...	...	...	...	2	...	...	...	2	4	...	...	...	1	...	...	2	69	...	175.2
...	...	1	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	1	...	...	27	...	175.3
...	1	1	2	1	...	...	1	...	1	...	...	...	7	1	...	1	...	2	...	...	1	16	...	175.4
...	1	2	...	...	...	...	...	...	2	1	...	...	1	...	...	2	...	...	...	...	6	...	...	176
...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	178
...	3	1	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	2	24	...	179
1	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	2	...	...	1	...	...	...	...	180
...	2	...	...	...	...	...	...	...	...	1	...	...	2	...	1	...	1	1	...	...	1	8	...	181
...	2	2	3	...	...	...	...	...	1	...	...	...	3	3	...	2	1	...	1	1	...	4	...	185
...	...	4	2	...	5	2	...	4	1	2	...	3	3	...	...	...	3	3	2	2	5	29	4	175-177 186
...	1	...	...	...	1	...	1	...	2	1	...	...	...	...	...	1	1	1	...	...	...	18	...	182-3-4
1	5	2	5	1	3	...	3	...	1	4	1	...	6	4	2	1	...	1	5	2	4	49	...	187-8-9
...	1	1	2	...	2	3	...	1	1	8	...	...	...	...	1	...	...	...	...	...	2	1	...	Unk.

Table IVa.—Causes of death in cities of Michigan

Classification No.	Causes of death, 1911.	All cities.	Cities—Adrian															
			Adrian.	Albion.	Allegan.	Alma.	Alpena.	Ann Arbor.	Au Gres.	Au Sable.	Bad Axe.	Bay City.	Battle Creek.	Beaverton.	Belding.	Benton Harbor.	Bessemer.	Big Rapids.
	ALL CAUSES.....	19,480	152	87	53	34	216	336	9	8	32	563	399	14	37	123	49	77
	GENERAL DISEASES.																	
	(I. Epidemic diseases.)																	
1	Typhoid fever.....	314	3	1		1	13	3				19	4		2	4	1	4
4	Malarial fever.....	8						1										
5	Smallpox.....	4											3					
6	Measles.....	114	1					2	2			1	2			1		2
7	Scarlet fever.....	124	1				1		2			2				1		1
8	Whooping cough.....	127	1	1	1		3	1				2	1					
9	{ Diphtheria.....	274	4				1	1	1		1	7	3			1	1	
	{ Croup.....	23	1															
10	Influenza.....	191	5		1		1					10	4			1		
13	Cholera nostras.....	7										1		1				
14	Dysentery.....	38					1						1			4		
18	Erysipelas.....	78						2				2	1					
19	Other epidemic diseases.....	3																
	(II. Other general diseases.)																	
20	Septicemia.....	122					2	5				3	3			1		2
24	Tetanus.....	19	1	1			1	1				1						
28	Tuberculosis of the lungs.....	1,204	6	3	1	3	15	14		1		36	20	2	1	9	4	3
29	Miliary tuberculosis.....	19					1	1										
30	Tubercular meningitis.....	90						3				3	1					
31	Abdominal tuberculosis.....	85	2				1	1			1	2	2			3	1	1
32	Pott's disease.....	10																
33	White swelling.....	6																
34	Tuberculosis of other organs.....	39	2			2	1	2					1					
35	Disseminated tuberculosis.....	27						5										
37-38	Venereal diseases.....	83	1					5					1					1
39	Cancer of mouth.....	40		2			2	2									1	
40	Cancer of stomach and liver.....	449	9	2	1	1	5	10				14	9			4		4
41	Cancer of intestines.....	162	1		1			4			1	7	4					1
42	Cancer of genital organs.....	165		2	1			9				5	3	1	1			1
43	Cancer of breast.....	90		3	1			1				1	4					
44	Cancer of skin.....	42		1	2		1					1	2					

CAUSES OF DEATHS.

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during the year 1911. (Stillbirths excluded).

to Hancock.

to Hancock.																												Classification No.
Boyer City.	Brown City.	Cadillac.	Charlevoix.	Charlotte.	Cheboygan.	Clare.	Coleman.	Coldwater.	Corunna.	Crowell.	Crystal Falls.	Detroit.	Dowagiac.	East Jordan.	East Lansing.	East Tawas.	Eaton Rapids.	Escanaba.	Flint.	Gladstone.	Gladwin.	Grand Haven.	Grand Ledge.	Grand Rapids.	Greenville.	Hancock.		
62	9	125	26	69	73	14	10	98	23	21	70	7115	74	40	4	11	42	181	402	44	13	76	51	1581	57	138		
1	...	3	...	1	1	1	1	79	4	5	8	1	...	2	...	30	...	3	1	
...	2	1	4	
...	5	
1	1	...	...	...	49	...	...	...	...	...	...	2	...	...	...	17	...	...	6		
2	...	1	1	...	...	...	...	...	...	...	...	63	...	1	...	...	...	2	2	...	2	...	6	...	...	7
...	...	1	...	1	1	...	...	...	...	...	...	28	...	1	...	...	...	2	4	2	...	...	8	...	2	8
...	2	...	...	159	...	3	...	...	...	5	5	1	...	...	8	1	1	9		
...	1	...	8	...	...	...	...	...	...	...	1	...	4	...	...	...
...	...	7	1	...	1	...	...	2	...	...	...	30	3	...	...	1	1	...	1	...	2	2	6	2	2	10
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	13		
...	10	...	...	...	...	...	...	...	1	...	2	1	...	...	14		
...	1	1	...	...	...	...	...	...	...	...	...	27	...	...	...	...	...	1	3	3	...	...	5	1	...	18
...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	19		
1	1	1	...	...	...	1	...	...	1	30	...	...	...	...	...	1	3	...	...	2	13	...	1	20		
...	7	...	...	...	...	...	...	1	...	...	...	1	...	...	24		
4	1	4	1	3	3	5	...	1	5	473	3	1	11	22	8	1	5	2	100	1	10	28	
...	9	...	...	...	...	...	...	1	...	...	...	1	...	...	29		
...	38	...	...	...	...	...	...	4	1	...	...	9	...	1	30		
...	2	23	3	...	...	...	...	1	3	...	...	...	11	...	2	31		
...	3	...	...	...	...	...	...	...	...	...	...	1	...	...	32		
...	4	...	...	...	...	...	...	...	...	...	...	1	...	...	33		
...	...	1	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	1	...	...	...	2	...	...	34
1	...	1	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	2	...	...	35
1	48	1	1	...	...	...	...	2	...	...	...	6	...	1	37-38		
...	1	...	...	...	...	1	...	...	1	...	...	14	1	...	...	...	...	...	...	...	1	...	...	...	...	39
2	...	4	2	4	1	...	1	5	1	130	3	1	1	6	6	1	...	5	...	46	2	2	40	
...	...	1	...	2	...	...	...	2	...	...	1	60	...	...	...	...	...	...	5	...	...	...	15	...	1	41
...	...	3	1	2	1	45	...	1	4	1	3	17	1	1	42	
...	1	...	...	...	...	...	1	...	23	2	...	...	...	1	2	2	...	...	...	3	...	...	43		
...	...	1	...	...	...	...	...	1	...	...	...	8	...	...	...	...	...	...	1	...	...	...	5	...	1	44

Table IVa.—Continued.—Causes of death in cities

Classification No.	Causes of death, 1911.	All cities.	Cities—Adrian															
			Adrian.	Albion.	Allegan.	Alma.	Alpena.	Ann Arbor.	Au Gres.	Au Sable.	Bad Axe.	Bay City.	Battle Creek.	Beaumont.	Belding.	Benton Harbor.	Bessemer.	Big Rapids.
45	Cancer of other organs.....	137	1	...	2	1	4	3	...	...	5	3	...	...	2	...	...
46	Tumors.....	24	3	...	...	...	...	1	...	...	...	1	...	...	2	...	...
47-48	Rheumatism.....	76	...	...	...	...	...	...	...	...	3	2	...	...	...	...	1
50	Diabetes.....	178	2	3	2	...	1	5	...	...	4	11	1	1	1	...	...
53-54	Anemia.....	163	2	1	1	...	3	4	...	...	1	7	1	...	...	...	1
56	Alcoholism.....	57	...	...	...	...	...	...	...	...	2	1	...	...	1	...	...
57-59	Chronic poisoning.....	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
55	Other general diseases.....	83	...	2	...	...	1	4	...	...	2	4	...	...	...	...	...
LOCAL DISEASES.																		
III. DISEASES OF NERVOUS SYSTEM.																		
60	Encephalitis.....	37	...	...	...	...	1	1	...	...	4	...	...	...	2	...	...
61	Meningitis.....	291	4	...	...	1	2	10	...	1	7	7	...	...	4	1	1
62	Locomotor ataxia.....	26	1	...	...	...	...	...	...	...	2	...	...	...	...	...	...
63	Other diseases of spinal cord.....	69	...	...	...	...	...	2	...	...	3	2	...	...	1	...	1
63.1	Poliomyelitis.....	25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
64	Apoplexy.....	973	7	7	5	...	9	18	...	3	17	22	1	7	6	...	6	
65	Softening of brain.....	29	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
66	Paralysis.....	318	6	2	2	...	4	2	...	1	8	11	...	...	8	...	3
67	General paralysis of insane.....	59	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
68	Other forms of mental disease.....	36	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...
69	Epilepsy.....	69	...	1	...	...	...	1	...	...	3	1	...	...	1	...	...
70-71	Convulsions.....	216	...	...	...	...	7	4	...	...	3	1	...	1	2	...	...
73-76	Other diseases of nervous system.....	95	1	...	...	...	1	2	...	...	4	2	...	...	1	...	1
IV. DISEASES OF CIRCULATORY SYSTEM.																		
77	Pericarditis.....	23	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...
78	Endocarditis.....	123	...	...	...	...	...	4	...	...	5	5	...	1	...	2	2
79	Heart disease.....	1,834	21	15	7	1	12	30	2	1	4	47	57	1	6	17	...	6
80	Angina pectoris.....	123	2	...	...	...	2	1	...	...	6	3	...	...	...	1	...
81	Diseases of arteries.....	293	6	5	...	...	...	5	...	...	7	6	...	...	1	1	...
82	Embolism.....	83	...	2	...	...	...	4	...	...	5	2	...	...	...	...	...
83	Diseases of veins.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
84	Diseases of lymphatics.....	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
85	Other diseases of circulatory system.....	16	1	1	...	...	1	...	...	...	2	1	...	...	...	...	...

of Michigan, during the year 1911. (Stillbirths excluded).

to Hancock.

to Hancock.																												Classification No.
Boys City.	Brown City.	Cadillac.	Charlevoix.	Charlotte.	Cheboygan.	Clare.	Coleman.	Coldwater.	Coruna.	Crowell.	Crystal Falls.	Detroit.	Dowagiac.	East Jordan.	East Lansing.	East Tawas.	Eaton Rapids.	Escanaba.	Flint.	Gladstone.	Gladwin.	Grand Haven.	Grand Ledge.	Grand Rapids.	Greenville.	Hancock.		
				2	1					1	2	41	1					1	5					13	2	45		
1												7							1							46		
		1						1		1		24				1		2	2					9		47-48		
		1	1		1			4				41		2			1	4	5		1	3		17	1	50		
		1			2							45							5			1		19		53-54		
1											3	39							1			1			1	56		
												6												2		57-59		
		1		1								24					1	1	2				1	7	1	55		
			1									13							1					5		60		
		2		3	2							132		1			1	1	1	1			1	20	1	2	61	
		1				1						5		1		1							1	2		62		
1							1	1	1	1		18									1			4		63		
												6						2	2					5		63.1		
2	1	16	1	4	4	2		4		1	3	267	1	1			1	10	22	4	2	15	6	99	4	10	64	
								2				6							1					1			65	
1		4		1	2			3				64	1	2		1	1	2	12		1	1	1	13	2	2	66	
												23												1			67	
									1			9												2			68	
				1								11							1					3	1		69	
2	1	1			1						1	119				1			2					5			70-71	
		1										24	1					1	1					6			73-76	
												16												2	1		77	
			1					1				54		1				3		1			1	11			78	
7	1	8	2	7	12	2		18	3	3	4	538	7	4	2		9	21	22	1	3	4	11	145	9	13	79	
1				1				1				28	6					1	3				1	6			80	
		1	1	3				5			2	74	5				1	1	2			6	1	22		1	81	
		1						2	1			24					1		1					12		1	82	
												1															83	
																								1			84	
					1							3							1								85	

Table IVa.—Continued.—Causes of death in cities

Classifi- cation No.	Causes of death, 1911.	All cities.	Cities—Adrian															
			Adrian.	Albion.	Allegan.	Alma.	Alpena.	Ann Arbor.	Au Gres.	Au Sable.	Bad Axe.	Bay City.	Battle Creek.	Beaumont.	Belding.	Benton Harbor.	Bessemer.	Big Rapids.
	V. DISEASES OF RESPIRATORY SYSTEM.																	
86	Diseases of nasal fossae.....																	
87	Diseases of the larynx.....	31	1									1						
88	Diseases of the thyroid body.....	13						1										1
89	Acute bronchitis.....	221	2	1	1		9	2			1	5	1			1	2	
90	Chronic bronchitis.....	132		3	3		1	3			1	1	3					
91	Bronchopneumonia.....	544	3		1		2	4				18	3	1		1	2	
92	Pneumonia.....	1,049	10	3	4	3	7	14				27	9	1	2	6	6	5
93	Pleurisy.....	46	1				2	1				2	2					
94	Congestion of lungs.....	111		1			1	2				7	2					
95	Gangrene of lungs.....	5																
96-97	Asthma and emphysema.....	44					1											
98	Other diseases of respiratory system...	43	2					1				1	2					
	VI. DISEASES OF DIGESTIVE SYSTEM.																	
99	Diseases of the mouth.....	11										1	2					
100	Diseases of the pharynx.....	31										1						
101	Diseases of the oesophagus.....	5																
102	Ulcer of the stomach.....	50		1			2	1			1	3	4					
103	Other diseases of the stomach.....	311	1	1			7	9				17	5		1			
104	Diarrhea and enteritis (under 2 years).....	924			1		14	6		1		22	8		3	3	2	2
105	Diarrhea and enteritis (over 2 years).....	181	1	1	1	1	1	4				4	3		1	1	1	
108	Appendicitis.....	171	4	1	1	2	1	2				9	5			3		
	Hernia.....	200	2		1	1	2	4				11				3		
109	Obstruction of intestines.....	8											8					
	Other diseases of intestines.....	51			1			2						1				
111	Acute yellow atrophy of liver.....	12						1										
112	Hydatid tumor of liver.....																	
113	Cirrhosis of liver.....	150					1	3				3	7					1
114	Biliary calculi.....	46	1	1			2	1			2	2	2					
115	Other diseases of the liver.....	103	1					2				7	4					
116	Diseases of the spleen.....	5																
117	Peritonitis.....	190	1			1	1	11				8						1
118	Other diseases of digestive system.....	8									1							

CAUSES OF DEATHS.

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of Michigan, during the year 1911. (Stillbirths excluded).

to Hancock.

Boyer City.	Brown City.	Cadillac.	Charlevoix.	Charlotte.	Cheboygan..	Clare.	Coleman.	Coldwater.	Corunna.	Croswell.	Crystal Falls.	Detroit.	Dowagiac.	East Jordan.	East Lansing.	East Tawas.	Eaton Rapids.	Escanaba.	Flint.	Gladstone.	Gladwin.	Grand Haven.	Grand Ledge.	Grand Rapids.	Greenville.	Hancock.	Classification No.
																											86
												14		1									1	3	1		87
											10																88
2	1	1		1							7	83		1	1			2	4			1		16		5	89
	1			1	1							58	3						4		1			15	1	1	90
3				1						1	1	329		2				3	9	3		1	2	40			91
1	5	2	6	3			1	1	1	2	3	392	6	1			3	9	29	1		1		99	2	10	92
												12												6			93
	1	2		1							1	42		2				1	1	1				9			94
												4															95
1				1				1				21							1					4	1		96-97
												17						1	1					2		1	98
												4															99
												14		1					3					1	1		100
												3												2			101
												13												3			102
	2			2			2				121	3						2	7	1		2	1	41	1	2	103
8	9	1	1	3			2				2	480	4			1		14	14	3		1	1	71	1	8	104
1			2	1			1				1	41	2					1	3	2	1	1		10	1	1	105
	1	1						1				65						2	3					13		3	108
1	3		3	1			1					66		1			1	3	1			1	2	19	2	1	109
																											110
												29							2					2			111
												9														1	112
1						1						70						3	4			3	1	12		1	113
												13							2					2			114
				1		1	1	1			1	33	1	1					2					10			115
																											116
	3		1					1				55				1	1	3	3	1		1		19	1	1	117
												4												1		1	118

Table IVa.—Continued.—Causes of death in cities

Classification No.	Causes of death, 1911.	All cities.	Cities—Adrian.															
			Adrian.	Albion.	Allegan.	Alma.	Alpena.	Ann Arbor.	Au Gres.	Au Sable.	Bad Axe.	Bay City.	Battle Creek.	Beaumont.	Belding.	Benton Harbor.	Bessemer.	Big Rapids.
	VII. DISEASES OF GENITO-URINARY SYSTEM.																	
119	Acute nephritis.....	129	2					5				4	4		1			
120	Bright's disease.....	820	6	1	1	7	3	16		1	5	16	24		4		4	
121-122	Other diseases of the kidneys.....	34					2	2			1	2						
123	Calculi of urinary tract.....	6						1										
124	Diseases of the bladder.....	81	1					5				4	2		1		1	
129	Uterine tumor.....	19						1					1		1			
128-130	Other diseases of the uterus.....	22						3				1	2					
131	Ovarian tumor.....	16			1			1				2						
125-133	Other diseases of genito-urinary system.....	56						2			1				1	1		
	VIII. CHILDBIRTH.																	
137	Puerperal septicemia.....	141			2		3	1				2	3			1		1
138	Puerperal convulsions.....	37						1					1					
134-141	Other causes incident to childbirth.....	61				1	1	1		1		2					1	1
	IX. DISEASES OF THE SKIN.																	
142	Gangrene.....	65				1		1				3						1
143	Furuncle.....	3																
144	Abscess.....	13						1	1									
145	Other diseases of skin.....	16					1					1		1				
	X. DISEASES OF LOCOMOTOR SYSTEM.																	
146	Diseases of the bones.....	13						1										
147	Diseases of the joints.....	4																
148-149	Other diseases of locomotor system.....	1																
	XI. MALFORMATIONS.																	
150	Congenital malformations.....	219	2	1			4	7				7	4			1		2
	XII. EARLY INFANCY.																	
151	Congenital debility.....	1,290	4	9		4	23	9			1	38	21		2	6	9	1
152-153	Other causes peculiar to early infancy.....	183	1				3	3				8				1		2
	XIII. OLD AGE.																	
154	Old age.....	627	3				10	9	1		4	21	19	1	3			

CAUSES OF DEATHS.

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of Michigan, during the year 1911. (Stillbirths excluded).

to Hancock.

Boyne City.	Brown City.	Cadillac.	Charlevoix.	Charlotte.	Cheboygan.	Clare.	Coleman.	Coldwater.	Corunna.	Croswell.	Crystal Falls.	Detroit.	Dowagiac.	East Jordan.	East Lansing.	East Tawas.	Eaton Rapids.	Escanaba.	Flint.	Gladstone.	Gladwin.	Grand Haven.	Grand Ledge.	Grand Rapids.	Greenville.	Hancock.	Classification No.
...	1	2	...	...	...	3	...	...	...	48	...	...	...	...	...	3	1	...	...	...	...	8	1	...	119
2	...	5	...	1	3	2	3	4	5	1	2	261	1	1	...	1	7	10	17	1	1	3	2	84	1	6	120
...	1	...	...	...	...	...	...	...	...	...	...	12	...	...	...	...	...	...	...	...	...	...	...	1	...	...	121-122
...	123
1	1	...	...	2	...	...	...	12	...	2	...	1	1	1	4	...	...	1	...	10	...	...	124
...	7	1	...	...	...	...	...	...	...	...	...	...	4	...	...	129
...	8	...	...	...	...	...	...	...	2	...	...	...	1	...	...	128-130
...	6	...	...	...	...	...	...	...	...	...	...	...	1	...	...	131
...	1	...	...	...	...	...	...	...	...	...	...	22	...	...	...	...	...	1	1	...	...	...	...	12	...	...	125-133
...
1	...	1	...	...	...	1	...	3	...	...	1	60	1	...	...	...	...	...	1	...	...	...	...	11	...	1	137
...	15	...	...	...	...	...	...	...	...	...	...	...	5	...	...	138
...	1	...	1	...	...	...	28	1	...	...	...	...	...	...	2	...	...	...	6	1	...	134-141
...
...	1	...	...	1	...	...	...	14	2	...	...	...	...	...	...	2	...	...	...	3	1	1	142
...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	143
...	4	...	...	...	...	...	...	...	...	...	...	...	2	...	...	144
...	10	...	...	...	...	...	...	...	...	...	...	...	1	...	...	145
...
...	...	2	...	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...	1	...	...	146
...	2	...	...	147
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	148-149
...	2	1	...	...	2	2	1	2	81	1	1	...	...	1	4	1	...	2	...	11	2	2	150
2	...	9	1	2	3	...	...	...	1	4	8	605	6	5	...	...	...	11	42	5	...	1	4	100	...	12	151
3	...	2	...	...	...	...	...	...	...	...	1	84	...	...	...	...	...	3	2	...	...	1	...	4	...	2	152-153
2	...	4	1	2	11	1	...	7	2	1	1	214	...	...	...	1	...	4	21	...	...	2	3	72	2	...	154

Table IVa.—Continued.—Causes of death in cities

Classification No.	Causes of death, 1911.	All cities.	Cities—Adrian															
			Adrian.	Albion.	Allegan.	Alma.	Alpena.	Ann Arbor.	Au Gres.	Au Sable.	Bad Axe.	Bay City.	Battle Creek.	Beaverton.	Belding.	Benton Harbor.	Bessemer.	Big Rapids.
	XIV. VIOLENCE.																	
	<i>Suicide:</i>																	
155	Suicide by poison.....	103	2				3	4				4	2					
156	Suicide by asphyxia.....	14											1					
157	Suicide by hanging.....	30						1				1						
158	Suicide by drowning.....	13													1			
159	Suicide by firearms.....	65											2					
160	Suicide by cutting instruments.....	10																
161	Suicide by jumping from high places.....	2																
162	Suicide by crushing.....																	
163	Suicide by other or unspecified means.....	3																
	<i>Accidents:</i>																	
164-165	Accidental poisoning.....	53	1		1			1				2	1			1		
166	Conflagration.....	16											2					
167	Burns (conflagration excepted).....	95			2	2		1				6	3		1	1	1	
168	Absorption of deleterious gases.....	30						2				1	1					
169	Accidental drowning.....	147					2	2				5	1			3		1
170	Traumatism by firearms.....	26										1						1
171	Traumatism by cutting instruments.....	2										1						
172	Traumatism by fall.....	142	2	2			3	1				3	1			2		2
173	Traumatism in mines and quarries.....	49															11	
174	Traumatism by machinery.....	24								1		3	1					
175.1	Traumatism by railroads.....	151	1	2		1		2			1	7	3			1		1
175.2	Traumatism by electric railway.....	82						1					2					
175.3	Traumatism by automobile.....	36										1	1					
175.4	Traumatism by other vehicles.....	32											1					
176	Traumatism by animals.....	11			1							1						1
178	Cold and freezing.....																	
179	Effects of heat.....	36																
180	Lightning.....	2										1						
181	Electricity (lightning excepted).....	22		1								1	1					
185	Fractures (cause not specified).....	23	2		1								1					
175-177																		
186	Other accidental traumatisms.....	89					3	2	1			2	2					1
182-3-4	Homicide.....	34										1	1			1		
	XV. ILL-DEFINED DISEASES.																	
187-8-9	Ill-defined organic diseases.....	119	3		2		2			1		2	3		1	2	1	
Unk.	Unknown.....	20																

CAUSES OF DEATHS.

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of Michigan, during the year 1911. (Stillbirths excluded).

to Zeeland.

St. Ignace.	St. Johns.	St. Joseph.	St. Louis.	Saginaw.	Sandusky.	Sault Ste. Marie.	Scottville.	South Haven.	Standish.	Stanton.	Sturgis.	Tawas City.	Three Rivers.	Traverse City.	West Branch.	Whittemore.	Wyandotte.	Yale.	Ypsilanti.	Zeeland.	Classification No.
...	1	1	...	3	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	155
...	1	...	...	...	156
...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	157
...	158
...	1	...	...	1	...	...	...	2	...	...	...	...	...	1	...	...	...	159
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	160
...	161
...	162
...	163
...	5	...	...	...	1	...	...	...	1	...	...	2	...	...	...	164-165
...	166
...	8	...	...	...	...	...	1	...	...	...	...	1	...	1	...	...	...	167
...	168
3	...	4	...	5	...	3	...	2	...	...	...	...	...	2	1	...	5	...	...	...	169
...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	170
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	171
...	...	1	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	172
...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	173
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	174
1	1	1	...	9	...	1	...	...	...	...	...	1	2	...	1	...	1	...	1	...	175. 1
...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	175. 2
...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	175. 3
...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	175. 4
...	176
...	177
...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	179
...	180
...	1	...	1	...	181
...	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	185
1	1	...	1	...	...	...	1	...	...	...	3	...	...	...	...	...	...	175-177
...	2	...	...	...	1	...	...	...	1	...	...	...	...	...	...	186
...	182-3-4
...	3	...	...	...	...	...	...	...	...	...	1	1	...	3	...	...	1	187-8-9
...	1	...	...	...	...	...	1	...	...	...	Unk.

TABLES
RELATING TO
MARRIAGES
IN
MICHIGAN
DURING THE
YEAR 1911.

PRIMARY TABLES RELATING TO MARRIAGES IN MICHIGAN DURING THE YEAR 1911.

TABLE I.—Marriages in Michigan, by months and counties, during the year 1911.

TABLE II.—Persons married in Michigan, by ages, counties and sex, during the year 1911.

TABLE III.—Marriages and persons married in Michigan, by nativity and counties during the year 1911.

TABLE IV.—Marriages in Michigan, by ages of males and females, married during the year 1911.

TABLE V.—Probate marriages in Michigan, by ages of males and females married during the year 1911.

NOTE.—Secondary tables containing marriage rates and other rates, and comparative tables, displaying the facts relative to marriages in Michigan for the year 1911 in connection with previous years and other states and countries, may be found on preceding pages of this report, together with the descriptive text.

Table I.—Marriages in Michigan, by months and counties, during the year 1911.

State and counties.	Year, 1911.	Months, 1911.												Unknown.
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
STATE	29,859	1,866	2,060	1,658	1,940	2,255	3,863	2,414	2,594	2,938	2,816	3,034	2,430	1
Alcona	46	4	3	3	5	.....	3	5	5	6	3	5	4	.....
Alger	59	5	1	1	4	10	8	1	6	5	9	5	4	.....
Allegan	334	20	26	36	24	15	43	20	34	23	26	39	28	.....
Alpena	185	7	20	1	9	35	17	17	8	20	26	13	12	.....
Antrim	152	8	9	14	7	9	18	9	8	12	23	12	23	.....
Arenac	72	5	8	4	3	6	9	5	6	6	7	6	7	.....
Baraga	19	1	1	.....	1	2	3	2	1	1	3	3	1	.....
Barry	203	16	10	18	11	15	29	16	18	21	13	17	19	.....
Bay	607	55	48	17	34	74	84	45	35	58	47	71	39	.....
Benzie	75	6	3	5	5	5	8	8	8	13	6	7	1	.....
Berrien	1,775	77	71	93	72	125	219	299	230	196	123	127	143	.....
Branch	226	14	18	17	15	17	27	16	22	20	16	26	18	.....
Calhoun	584	30	32	62	35	42	64	41	44	64	46	63	61	.....
Cass	173	11	13	22	10	7	20	14	14	15	17	13	17	.....
Charlevoix	195	12	15	8	19	9	19	20	13	16	18	29	17	.....
Cheboygan	144	13	10	9	6	10	22	13	11	11	11	17	11	.....
Chippewa	232	13	15	11	20	13	24	24	23	22	25	26	16	.....
Clare	69	4	5	1	9	3	3	4	8	8	10	8	6	.....
Clinton	197	10	18	9	12	12	22	8	16	24	27	22	17	.....
Crawford	35	.....	2	2	2	1	4	5	1	3	5	6	4	.....
Delta	249	11	19	4	21	24	38	17	29	29	22	17	18	.....
Dickinson	150	17	9	6	13	14	19	8	16	12	10	15	11	.....
Eaton	334	14	21	27	27	21	44	24	20	28	24	39	45	.....
Emmet	180	16	10	7	11	12	17	7	13	22	24	34	7	.....
Genesee	637	33	41	32	49	51	97	47	56	55	45	66	65	.....
Gladwin	70	5	.....	6	4	6	7	8	5	12	6	4	7	.....
Gogebic	252	29	26	12	18	19	25	23	25	16	23	21	15	.....
Grand Traverse	215	15	18	19	20	11	28	14	14	13	24	24	15	.....
Gratiot	292	21	17	28	13	19	30	17	31	19	22	36	39	.....
Hillsdale	317	24	24	28	20	15	31	21	22	39	25	33	35	.....
Houghton	710	35	52	35	41	64	107	69	74	78	66	49	40	.....
Huron	268	19	23	13	21	17	28	17	14	31	23	35	27	.....
Ingham	519	33	31	29	42	33	77	35	56	56	41	39	47	.....
Ionia	319	19	17	19	21	28	38	16	29	23	29	48	32	.....
Iosco	74	4	6	4	4	3	8	6	10	3	13	5	8	.....
Iron	157	10	18	5	8	8	16	16	16	8	22	16	14	.....
Isabella	227	13	14	17	17	11	21	26	21	16	16	26	29	.....
Jackson	633	33	50	27	48	30	91	45	46	63	66	62	63	.....
Kalamasoo	807	39	63	51	51	68	95	49	73	66	86	87	79	.....
Kalkaska	90	3	9	7	4	7	10	8	10	7	13	4	8	.....
Kent	1,834	93	108	86	139	166	235	131	168	179	208	165	156	.....
Keweenaw	50	2	4	.....	.....	6	10	7	4	1	6	6	4	.....
Lake	38	3	2	7	2	2	4	.....	1	6	3	4	4	.....
Lapeer	212	7	19	21	11	9	26	8	21	13	23	33	21	.....
Leelanau	67	4	4	3	2	7	10	7	2	3	10	7	8	.....
Lenawee	422	30	30	37	28	18	45	29	25	37	42	50	51	.....
Livingston	126	2	13	10	8	10	16	9	14	7	16	9	12	.....
Luce	53	6	2	3	5	7	10	.....	3	4	4	4	5	.....
Mackinac	68	1	4	1	1	4	6	10	14	8	4	8	7	.....
Macomb	230	11	20	11	25	14	36	8	10	29	15	32	19	.....
Manistee	213	13	15	15	14	16	26	20	22	19	21	21	11	.....
Marquette	381	41	9	28	20	24	43	34	35	48	38	41	20	.....
Mason	196	15	16	5	4	10	25	11	17	24	26	24	19	.....
Meosota	169	7	8	22	11	10	19	8	11	15	14	20	24	.....
Menominee	461	27	21	21	31	40	80	22	35	44	53	55	32	.....
Midland	130	10	7	7	8	17	13	9	7	10	9	18	15	.....
Missaukee	85	8	5	1	10	7	10	8	3	6	5	8	14	.....
Monroe	658	35	38	31	52	55	76	49	57	61	56	84	64	.....
Montcalm	239	19	11	23	14	14	22	13	22	18	26	37	20	.....
Montmorency	24	2	1	1	.....	1	8	3	2	3	1	1	1	.....

Table I.—Concluded.—Marriages in Michigan, by months and counties, during the year 1911.

Counties.	Year, 1911.	Months, 1911.												Unknown.
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Muskegon.....	487	23	26	34	38	39	54	44	46	48	60	47	28	....
Newaygo.....	175	12	10	11	11	8	22	14	11	27	4	24	21	....
Oakland.....	433	20	32	27	31	22	64	21	23	37	59	41	56	....
Oceana.....	154	12	7	14	7	8	17	8	12	19	18	17	15	....
Ogemaw.....	62	2	7	2	7	2	9	5	5	7	8	3	5	....
Ontonagon.....	57	2	3	3	3	2	9	6	10	12	5	.....	2	....
Oscoda.....	154	10	9	10	11	13	18	13	11	11	15	17	16	....
Oscoda.....	15	3	.....	.....	2	.....	2	1	.....	3	1	1	2	....
Otsego.....	67	4	3	6	2	8	8	6	4	8	6	7	5	....
Ottawa.....	473	19	22	48	51	52	54	41	38	39	35	49	25	....
Presque Isle.....	108	3	7	6	6	7	14	10	10	5	14	14	12	....
Roscommon.....	19	.....	1	2	4	2	.....	2	3	.....	5	.....	.....	....
Saginaw.....	854	58	51	37	59	69	105	84	61	85	85	93	66	1
St. Clair.....	404	42	25	22	30	22	59	27	31	49	32	34	30	....
St. Joseph.....	234	13	23	23	18	16	31	17	19	17	12	21	24	....
Sanilac.....	299	18	15	21	18	19	41	8	32	30	20	41	36	....
Schoolcraft.....	63	5	5	2	4	6	6	9	7	5	10	3	1	....
Shiawassee.....	340	20	31	24	13	23	49	25	28	27	28	40	32	....
Tuscola.....	319	21	27	28	22	25	31	22	19	25	27	38	24	....
Van Buren.....	310	14	25	18	21	18	37	31	29	32	31	35	19	....
Washtenaw.....	371	21	33	27	28	20	52	20	31	44	34	33	28	....
Wayne.....	6,683	489	538	233	392	535	969	540	579	712	646	658	392
Wexford.....	240	15	16	18	21	22	19	29	21	21	20	16	22

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Table II.—Persons married in Michigan, by ages, counties and sex, during the year 1911.

State and counties.	Total marriages, 1911.	Sex.	Number of persons married, by periods of age, 1911.															80 +	Unknown.
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.				
STATE.....	29,859	Totals... Males... Females...	9,129 841 8,288	24,395 12,495 11,900	13,115 8,379 4,736	5,031 3,198 1,833	2,889 1,755 1,134	1,650 1,009 641	1,207 707 500	868 532 336	570 350 220	411 266 145	252 169 83	135 108 27	42 36 6	11 9 2	13 5 8		
Alcona.....	46	Totals... Males... Females...	12 12	42 20	18 6	7 2	3 1	2 1	1 1	1 1	3 3	3 3	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Alger.....	59	Totals... Males... Females...	17 1 16	48 23 25	21 12 9	14 12 2	9 4 5	4 4	1 1	2 1	2 1 1	2 1 1	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Allegan.....	334	Totals... Males... Females...	128 16 112	267 148 119	116 79 37	59 31 28	26 15 11	19 14 5	13 12 8	18 12 6	7 4 3	8 6 2	6 3 3	1 1 .....	..... ..... .....	..... ..... .....	..... ..... .....
Alpena.....	185	Totals... Males... Females...	69 5 64	149 75 74	80 58 22	26 20 6	24 11 13	6 4 2	4 5	7 1 2	2 3 1	3 2 1	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Antrim.....	152	Totals... Males... Females...	77 10 67	108 61 47	54 39 15	19 12 7	16 10 6	4 4	12 8 4	3 1 2	4 2 2	2 2	2 2	2 2	2 2	1 1 .....	..... ..... .....	
Arenac.....	72	Totals... Males... Females...	38 2 36	62 39 23	22 17 5	10 8 2	4 2 2	2 2	3 2 1	1 1	2 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Baraga.....	19	Totals... Males... Females...	6 6	13 5 8	12 10 2	1 1	1 1	4 3 1	1 1	1 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Barry.....	203	Totals... Males... Females...	78 9 69	174 97 77	69 50 19	22 11 11	23 14 9	9 5 4	6 6	6 4 2	4 2 2	6 5 1	5 3 2	4 3 1	..... ..... .....	..... ..... .....	..... ..... .....
Bay.....	607	Totals... Males... Females...	173 15 158	511 262 249	286 131 105	95 61 34	52 32 20	24 16 10	26 16 10	21 11 10	9 3 6	7 6 1	7 4 3	1 1 .....	..... ..... .....	..... ..... .....	..... ..... .....
Benzie.....	75	Totals... Males... Females...	36 6 30	57 29 28	29 20 9	12 8 4	8 6 2	5 4 1	3 2 1	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Berrien.....	1,775	Totals... Males... Females...	617 64 553	1,374 771 603	674 393 281	344 221 123	202 111 91	109 69 40	77 48 29	74 46 28	32 18 14	26 16 10	11 9 2	8 3	5 3 1	2 4 .....	..... ..... .....	
Branch.....	226	Totals... Males... Females...	82 15 67	167 90 77	72 48 24	38 17 21	25 16 9	19 11 8	11 6 5	10 7 3	14 7 7	5 3 2	3 3	4 3 2	1 2 1	1 ..... .....	..... ..... .....	
Calhoun.....	584	Totals... Males... Females...	190 25 165	431 234 197	238 153 85	89 46 43	65 31 34	41 25 16	26 15 11	31 20 11	26 14 12	12 9 3	11 7 4	8 5 3	..... ..... .....	..... ..... .....	..... ..... .....
Cass.....	173	Totals... Males... Females...	69 3 66	127 76 51	47 32 15	29 18 11	28 16 12	9 6 3	7 4 3	11 7 4	6 3 3	9 5 4	1	1	1	1 ..... .....	..... ..... .....	
Charlevoix.....	195	Totals... Males... Females...	61 2 59	154 80 74	78 48 30	34 25 9	18 10 8	17 12 5	11 8 3	9 5 4	4 3 1	2 1 1	1	1 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Cheboygan.....	144	Totals... Males... Females...	63 9 54	100 53 47	55 36 19	22 16 6	21 12 9	12 9 3	5 2 3	3 3	3 1 2	3 2 1	1 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Chippewa.....	232	Totals... Males... Females...	59 59	173 85 88	109 66 43	46 31 15	33 21 12	16 9 7	13 10 3	12 8 4	..... ..... .....	2 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....

Table II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1911.

Counties.	Total marriages, 1911.	Sex.	Number of persons married, by periods of age, 1911.															Unknown.
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +		
Clare	69	Totals...	33	56	26	8	1	3	3	5		2	1					
		Males...	1	31	22	6	1	1	1	4		1	1					
		Females...	32	25	4	2		2	2	1		1						
Clinton	197	Totals...	70	174	67	23	19	12	13	3	5	3	3	2				
		Males...	4	101	42	14	11	9	5	3	3	1	2	2				
		Females...	66	73	25	9	8	3	8		2	2	1					
Crawford	35	Totals...	10	24	25	3	3		3	1	1							
		Males...	2	11	15	3	1		2	1	1							
		Females...	8	13	10		2		1	1								
Delta	249	Totals...	71	219	124	32	18	15	6	5	5	1	1	1				
		Males...	4	108	80	20	13	13	2	4	3	1		1				
		Females...	67	111	44	12	5	2	4	1	2		1					
Dickinson	150	Totals...	47	113	78	23	17	9	5	5	2	1						
		Males...	3	48	53	18	13	7	3	2	2	1						
		Females...	44	65	25	5	4	2	2	3								
Eaton	334	Totals...	121	265	107	53	32	26	16	19	9	10	4	4	1	1		
		Males...	14	149	62	31	22	16	7	12	6	8	2	3	1	1		
		Females...	107	116	45	22	10	10	9	7	3	2	2	1				
Emmet	180	Totals...	65	129	68	29	14	22	11	6	10	3	3					
		Males...	4	69	48	19	7	13	5	4	6	2	3					
		Females...	61	60	20	10	7	9	6	2	4	1						
Genesee	637	Totals...	198	502	271	116	63	43	33	15	9	14	8	1	1			
		Males...	25	260	166	71	38	23	24	9	5	7	7	1	1			
		Females...	173	242	105	45	25	20	9	6	4	7	1					
Gladwin	70	Totals...	46	49	31	3	5	1	2	1	1		1					
		Males...	11	27	23	2	3	1	1	1			1					
		Females...	35	22	8	1	2		1	1		1						
Gogebic	252	Totals...	64	201	149	39	17	15	6	7	3	1	1	1				
		Males...	3	93	98	26	9	8	5	6	2		1	1				
		Females...	61	108	51	13	8	7	1	1	1	1						
Gd. Traverse...	215	Totals...	72	143	97	39	30	23	10	5	6	4	1					
		Males...	7	75	58	25	18	15	7	2	4	3	1					
		Females...	65	68	39	14	12	8	3	3	2	1						
Gratiot	292	Totals...	133	227	100	36	17	13	15	9	11	11	4	7	1			
		Males...	18	137	65	19	13	6	9	3	8	6	1	6	1			
		Females...	115	90	35	17	4	7	6	6	3	5	3	1				
Hillsdale	317	Totals...	120	255	111	56	18	20	16	7	9	11	9	2				
		Males...	17	141	73	29	10	13	8	4	4	9	7	2				
		Females...	103	114	38	27	8	7	8	3	5	2	2					
Houghton	710	Totals...	177	597	392	138	60	24	10	6	8	5	3					
		Males...	13	269	265	87	37	19	5	3	7	2	3					
		Females...	164	328	127	51	23	5	5	3	1	3						
Huron	268	Totals...	92	238	121	33	24	9	9	6	1	3						
		Males...	3	126	80	22	16	7	7	3	1	3						
		Females...	89	112	41	11	8	2	2	3								
Ingham	519	Totals...	184	402	196	92	47	38	25	23	11	11	6	2			1	
		Males...	19	230	123	50	28	23	12	14	7	6	5	2				
		Females...	165	172	73	42	19	15	13	9	4	5	1				1	
Ionia	319	Totals...	108	262	123	51	36	15	12	3	10	7	3	6	2			
		Males...	14	142	78	31	20	9	7	2	5	2	1	6	2			
		Females...	94	120	45	20	16	6	5	1	5	5	2					
Iosco	74	Totals...	28	56	37	4	5	1	7	1	1	4	2	2				
		Males...	2	27	28	3	3	1	4	1		2	1	2				
		Females...	26	29	9	1	2		3		1	2	1					

Table II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1911.

Counties.	Total marriages, 1911.	Sex.	Number of persons married, by periods of age, 1911.														Unknown.
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +	
Iron.....	157	Totals...	52	129	83	26	12	7	4	1	.....	.....	.....	.....	.....	.....	.....
		Males...	3	63	58	19	8	4	1	1	.....	.....	.....	.....	.....	.....	.....
		Females...	49	66	25	7	4	3	3	.....	.....	.....	.....	.....	.....	.....	.....
Isabella.....	227	Totals...	101	176	90	31	18	5	13	8	9	1	.....	1	1	.....	.....
		Males...	10	102	59	20	13	4	4	6	7	1	.....	.....	1	1	.....
		Females...	91	74	31	11	5	1	9	2	2	.....	.....	1	.....	.....	.....
Jackson.....	633	Totals...	203	492	267	109	59	49	27	21	20	10	9	.....	.....	.....	.....
		Males...	39	251	158	66	38	28	11	14	16	6	6	.....	.....	.....	.....
		Females...	164	241	109	43	21	21	16	7	4	4	3	.....	.....	.....	.....
Kalamazoo.....	807	Totals...	250	651	338	122	90	55	35	22	23	14	9	2	2	1	.....
		Males...	31	345	207	71	51	29	25	14	15	9	7	2	1	.....	.....
		Females...	219	306	131	51	39	26	10	8	8	5	2	.....	1	1	.....
Kalkaska.....	90	Totals...	51	70	23	8	8	6	5	3	2	2	1	1	.....	.....	.....
		Males...	5	46	17	4	6	3	4	1	2	.....	1	1	.....	.....	.....
		Females...	46	24	6	4	2	3	1	2	.....	2	.....	.....	.....	.....	.....
Kent.....	1,834	Totals...	416	1,539	810	329	191	117	79	64	34	34	27	16	6	2	4
		Males...	42	743	502	201	112	70	45	41	26	18	15	11	4	2	2
		Females...	374	796	308	128	79	47	34	23	8	16	12	5	2	.....	.....
Keweenaw.....	50	Totals...	15	35	33	6	3	3	4	.....	1	.....	.....	.....	.....	.....	.....
		Males...	2	16	20	5	2	2	2	.....	1	.....	.....	.....	.....	.....	.....
		Females...	13	19	13	1	1	1	2	.....	.....	.....	.....	.....	.....	.....	.....
Lake.....	38	Totals...	15	29	9	8	6	3	3	2	1	.....	.....	.....	.....	.....	.....
		Males...	2	17	7	5	2	2	1	1	1	.....	.....	.....	.....	.....	.....
		Females...	13	12	2	3	4	1	2	1	.....	.....	.....	.....	.....	.....	.....
Lapeer.....	212	Totals...	74	173	75	34	22	15	13	5	4	5	1	3	.....	.....	.....
		Males...	7	94	48	22	14	8	8	1	2	5	1	2	.....	.....	.....
		Females...	67	79	27	12	8	7	5	4	2	.....	.....	1	.....	.....	.....
Leelanau.....	67	Totals...	24	56	29	9	6	3	4	2	.....	1	.....	.....	.....	.....	.....
		Males...	3	27	19	6	6	1	3	2	.....	.....	.....	.....	.....	.....	.....
		Females...	21	29	10	3	.....	2	1	.....	.....	1	.....	.....	.....	.....	.....
Lenawee.....	422	Totals...	145	343	161	58	48	30	13	15	9	9	8	5	.....	.....	.....
		Males...	19	188	97	38	32	13	5	7	7	6	6	4	.....	.....	.....
		Females...	126	155	64	20	16	17	8	8	2	3	2	1	.....	.....	.....
Livingston.....	126	Totals...	40	91	55	17	14	6	8	7	5	3	3	2	1	.....	.....
		Males...	3	52	34	12	6	5	4	3	.....	2	2	2	1	.....	.....
		Females...	37	39	21	5	8	1	4	4	5	1	1	.....	.....	.....	.....
Luce.....	53	Totals...	21	34	18	14	7	2	2	4	.....	2	2	.....	.....	.....	.....
		Males...	2	19	10	10	6	.....	.....	4	.....	1	1	.....	.....	.....	.....
		Females...	19	15	8	4	1	2	2	.....	.....	1	1	.....	.....	.....	.....
Mackinac.....	68	Totals...	25	36	38	16	7	4	5	2	1	.....	.....	1	1	.....	.....
		Males...	1	18	24	11	5	2	4	1	.....	.....	.....	1	1	.....	.....
		Females...	24	18	14	5	2	2	1	1	1	.....	.....	.....	.....	.....	.....
Macomb.....	230	Totals...	59	159	134	40	30	15	11	6	3	1	1	.....	1	.....	.....
		Males...	10	64	87	23	22	11	5	4	2	.....	1	.....	1	.....	.....
		Females...	49	95	47	17	8	4	6	2	1	1	.....	.....	.....	.....	.....
Manistee.....	213	Totals...	64	200	80	44	12	9	7	6	3	1	.....	.....	.....	.....	.....
		Males...	2	100	58	30	8	6	2	5	1	1	.....	.....	.....	.....	.....
		Females...	62	100	22	14	4	3	5	1	2	.....	.....	.....	.....	.....	.....
Marquette.....	381	Totals...	101	326	207	69	24	16	12	5	2	.....	.....	.....	.....	.....	.....
		Males...	6	154	135	46	15	13	6	5	1	.....	.....	.....	.....	.....	.....
		Females...	95	172	72	23	9	3	6	.....	.....	1	.....	.....	.....	.....	.....
Mason.....	196	Totals...	65	149	91	29	18	13	14	3	2	5	.....	1	1	1	.....
		Males...	5	77	59	21	19	6	9	3	1	3	.....	1	1	1	.....
		Females...	60	72	32	8	8	7	5	.....	1	2	.....	.....	.....	.....	.....

Table II.—Continued.—Persons married in Michigan, by ages, counties and sex, during the year 1911.

Counties.	Total marriages, 1911.	Sex.	Number of persons married, by periods of age, 1911.															80 +	Unknown.
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.				
Mecosta.....	169	{ Totals..... Males..... Females.....	66 1 65	136 76 60	63 45 18	19 15 4	17 11 6	6 3 3	11 5 6	4 2 2	5 5 2	4 2 2	5 2 1	2 1 2					
Menominee.....	461	{ Totals..... Males..... Females.....	141 6 135	384 192 192	200 132 68	93 65 28	45 29 16	21 14 7	18 10 8	11 7 4	5 4 1	3 1 2	1 1 1						
Midland.....	130	{ Totals..... Males..... Females.....	52 1 51	114 61 53	36 32 4	22 14 8	11 7 4	8 4 4	6 4 2	3 1 2	1 1 1	2 2 1	3 2 1	2 2 1	1 1 1				
Missaukee.....	85	{ Totals..... Males..... Females.....	44 8 36	71 37 34	30 23 7	11 7 4	6 4 2	2 2 2	2 2 2	4 2 2									
Monroe.....	658	{ Totals..... Males..... Females.....	253 18 235	564 328 236	245 150 95	101 69 32	62 39 23	31 16 15	21 12 9	12 8 4	12 7 5	7 5 2	7 5 2		1 1 1				
Montcalm.....	239	{ Totals..... Males..... Females.....	91 14 77	200 108 92	77 50 27	34 23 11	24 12 12	14 10 4	13 7 6	10 5 5	5 3 2	5 2 3	3 2 3	2 2 2					
Montmorency.....	24	{ Totals..... Males..... Females.....	12 1 11	18 7 11	13 12 1	3 2 1	2 2 1												
Muskegon.....	487	{ Totals..... Males..... Females.....	111 12 99	420 194 226	234 150 84	85 54 31	46 26 20	27 20 7	25 13 12	11 9 2	9 4 5	3 3 1	3 2 1						
Newaygo.....	175	{ Totals..... Males..... Females.....	81 14 67	113 62 51	56 38 18	38 23 15	18 13 5	6 3 5	9 6 3	6 3 3	14 8 6	4 3 1	2 3 1	2 2 1		1 1 1			
Oakland.....	433	{ Totals..... Males..... Females.....	120 8 112	334 172 162	205 123 82	81 50 31	50 34 16	21 13 8	18 11 7	12 3 9	12 10 2	2 2 2	5 3 2	2 1 1	4 3 1	2 1 1			
Oceana.....	154	{ Totals..... Males..... Females.....	55 4 51	115 60 55	51 35 16	31 24 7	16 7 9	6 4 2	10 5 5	9 4 5	6 5 1	4 2 2	4 2 1	3 2 1	2 2 1				
Ogemaw.....	62	{ Totals..... Males..... Females.....	24 2 22	48 24 24	16 12 4	10 7 3	9 7 2	5 2 3	2 2 1	2 1 1	2 1 1	4 1 1	2 1 2						
Ontonagon.....	57	{ Totals..... Males..... Females.....	14 14	44 20 24	37 25 12	8 5 3	5 3 2	1 1	2 2	2 2 1	1 1								
Osceola.....	154	{ Totals..... Males..... Females.....	67 3 64	99 63 36	60 39 21	33 21 12	14 7 7	8 4 4	9 7 2	3 1 2	5 2 3	3 2 1	6 2 2	1 4 2	1 1 1				
Oscoda.....	15	{ Totals..... Males..... Females.....	6 2 4	14 5 9	5 3 2	4 4 2	1 1 .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Otsego.....	67	{ Totals..... Males..... Females.....	36 36	51 32 19	27 22 5	7 5 2	4 2 2	2 1 1	1 1	3 1 2	2 2	1 1 .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Ottawa.....	473	{ Totals..... Males..... Females.....	105 13 92	380 186 194	238 133 105	94 62 32	40 27 13	20 14 6	14 7 7	19 12 7	15 6 9	11 6 5	4 2 2	4 3 1	2 3 1	..... ..... .....	..... ..... .....
Presque Isle...	108	{ Totals..... Males..... Females.....	52 3 49	80 44 36	40 31 9	12 11 1	12 7 5	7 5 2	5 2 3	4 1 3	3 3	1 1		

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Table II.—Concluded. —Persons married in Michigan, by ages, counties and sex, during the year 1911.

Counties.	Total marriages, 1911.	Sex.	Number of persons married, by periods of age, 1911.															Unknown.
			Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +		
Roscommon	19	Totals... Males... Females...	10 13 9 10	13 9 4	6 4 2	2 2	2 2	2 1	2 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	
Saginaw	854	Totals... Males... Females...	243 21 222	701 354 347	366 241 125	165 93 72	87 53 34	45 29 16	32 20 12	23 14 9	18 7 11	12 9 3	9 7 2	6 5 1	1 1	1 1	1 1	
St. Clair	404	Totals... Males... Females...	80 6 74	338 158 180	202 122 80	62 37 25	53 34 19	26 13 7	20 10 7	10 5 5	6 3 3	5 3 2	4 3 1	4 3 1	4 3 1	4 3 1	4 3 1	
St. Joseph	234	Totals... Males... Females...	93 11 82	172 103 69	91 51 40	33 22 11	18 10 8	15 8 7	18 9 9	14 12 2	6 3 3	3 1 2	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	
Sanilac	299	Totals... Males... Females...	116 9 107	269 148 121	117 76 41	40 31 9	21 15 6	12 6 6	4 2 2	7 4 3	4 2 2	4 3 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	
Schoolcraft	63	Totals... Males... Females...	26 2 24	45 23 22	27 19 8	15 11 4	7 5 2	4 2 2	4 2 2	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	
Shiawassee	340	Totals... Males... Females...	106 5 101	293 158 135	127 81 46	43 30 13	25 18 7	30 18 12	14 5 9	12 6 6	9 5 4	11 7 4	5 2 3	3 2 3	3 2 3	3 2 3	3 2 3	
Tuscola	319	Totals... Males... Females...	133 12 121	278 146 132	120 87 33	36 26 10	30 20 10	15 12 3	5 4 1	6 3 3	5 2 3	5 3 2	5 2 2	2 2 1	3 2 1	3 2 1	3 2 1	
Van Buren	310	Totals... Males... Females...	99 12 87	230 116 114	109 73 36	54 38 16	27 14 13	25 10 15	18 12 6	19 12 7	11 8 3	12 9 3	5 3 2	7 4 3	7 4 3	7 4 3	7 4 3	
Washtenaw	371	Totals... Males... Females...	61 8 53	292 130 162	221 126 95	69 43 26	38 25 13	27 16 11	15 10 5	10 5 5	3 3 3	2 2 2	4 3 1	4 3 1	4 3 1	4 3 1	4 3 1	
Wayne	6,683	Totals... Males... Females...	1,612 99 1,513	5,839 2,813 3,026	3,357 2,151 1,206	1,174 749 425	620 376 244	300 184 116	213 138 75	128 83 45	65 45 20	34 26 8	10 7 3	12 11 1	1 1 1	1 1 1	1 1 1	
Wexford	240	Totals... Males... Females...	85 8 77	183 96 87	95 61 34	38 27 11	20 14 6	15 6 9	21 13 8	10 5 5	6 5 1	3 3 2	2 1 2	1 1 1	1 1 1	1 1 1	1 1 1	

Table III.—Marriages and persons married in Michigan, by nativity and counties, during the year 1911.

State and counties.	Total marriages, 1911.	Marriages by nativity, 1911.								Both unknown.	Persons married by nativity, 1911.					
		Both native born.	Both foreign born.	Foreign male, native female.	Foreign female, native male.	Female Unk.		Male Unk.			Native born.		Foreign born.		Unk.	
						Male.	Female.	Males.	Females.		Males.	Females.	Males.	Females.		
															Native born.	Foreign born.
STATE	29,859	21,234	3,795	3,024	1,565	198	36	7	.....	22,997	24,265	6,855	5,360	7	234
Alcona.....	46	32	6	6	1	.....	1	.....	.....	33	38	13	7	.....	1
Alger.....	59	25	15	18	1	.....	.....	.....	.....	26	43	33	16	.....	.....
Allegan.....	334	307	4	11	7	4	1	.....	.....	318	318	16	11	.....	5
Alpena.....	185	126	12	32	15	.....	.....	.....	.....	141	158	44	27	.....	.....
Antrim.....	152	121	12	15	4	.....	.....	.....	.....	125	136	27	16	.....	.....
Arenac.....	72	53	7	6	6	.....	.....	.....	.....	59	59	13	13	.....	.....
Baraga.....	19	10	2	6	1	.....	.....	.....	.....	11	16	8	3	.....	.....
Barry.....	203	194	1	5	2	1	.....	.....	.....	197	199	6	3	.....	1
Bay.....	607	467	36	69	33	2	.....	.....	.....	502	536	105	69	.....	2
Benzie.....	75	68	2	3	1	1	.....	.....	.....	70	71	5	3	.....	1
Berrien.....	1,775	1,384	151	145	89	3	2	1	.....	1,476	1,530	298	240	1	5
Branch.....	226	210	1	8	5	2	.....	.....	.....	217	218	9	6	.....	2
Calhoun.....	584	517	15	30	16	5	.....	1	.....	538	548	45	31	1	5
Cass.....	173	160	3	8	2	.....	.....	.....	.....	162	168	11	5	.....	.....
Charlevoix.....	195	156	5	18	11	2	1	2	.....	169	176	24	16	2	3
Cheboygan.....	144	113	5	16	7	2	1	.....	.....	122	129	22	12	.....	3
Chippewa.....	232	94	72	33	32	1	.....	.....	.....	127	127	105	104	.....	1
Clare.....	69	62	.....	2	2	3	.....	.....	.....	67	64	2	2	.....	3
Clinton.....	197	176	.....	13	7	.....	1	.....	.....	183	189	14	7	.....	1
Crawford.....	35	28	3	3	1	.....	.....	.....	.....	29	31	6	4	.....	.....
Delta.....	249	138	52	43	16	.....	.....	.....	.....	154	181	95	68	.....	.....
Dickinson.....	150	59	46	39	6	.....	.....	.....	.....	65	98	85	52	.....	.....
Eaton.....	334	317	4	7	5	1	.....	.....	.....	323	324	11	9	.....	1
Emmet.....	180	154	7	9	10	.....	.....	.....	.....	164	163	16	17	.....	.....
Genesee.....	637	505	41	48	36	5	2	.....	.....	546	553	91	77	.....	7
Gladwin.....	70	52	5	7	5	1	.....	.....	.....	58	59	12	10	.....	1
Gogebie.....	252	79	131	26	15	1	.....	.....	.....	95	105	157	146	.....	1
Grand Traverse.....	215	183	4	16	9	2	1	.....	.....	194	199	21	13	.....	3
Gratiot.....	292	239	3	6	9	33	2	.....	.....	281	245	11	12	.....	35
Hillsdale.....	317	308	.....	6	2	1	.....	.....	.....	311	314	6	2	.....	1
Houghton.....	710	249	300	121	38	2	.....	.....	.....	289	370	421	338	.....	2
Huron.....	268	187	26	31	21	2	.....	1	.....	210	219	57	47	1	2
Ingham.....	519	416	22	26	23	27	5	.....	.....	466	542	53	45	.....	32
Ionia.....	319	274	7	18	10	10	.....	.....	.....	294	292	25	17	.....	10
Iosco.....	74	55	5	9	5	.....	.....	.....	.....	60	64	14	10	.....	.....
Iron.....	157	55	73	24	5	.....	.....	.....	.....	60	79	97	78	.....	.....
Isabella.....	227	209	2	8	7	1	.....	.....	.....	217	217	10	9	.....	1
Jackson.....	633	554	25	33	20	1	.....	.....	.....	575	587	58	45	.....	1
Kalamazoo.....	807	649	69	48	38	3	.....	.....	.....	690	697	117	107	.....	3
Kalkaska.....	90	89	.....	1	.....	.....	.....	.....	.....	89	90	1	.....	.....	.....
Kent.....	1,834	1,281	244	196	112	1	.....	.....	.....	1,394	1,477	440	356	.....	1
Keweenaw.....	50	13	25	9	3	.....	.....	.....	.....	16	22	34	28	.....	.....
Lake.....	38	29	.....	5	3	1	.....	.....	.....	33	34	5	3	.....	1
Lapeer.....	212	179	9	12	10	2	.....	.....	.....	191	191	21	19	.....	2
Leelanau.....	67	57	1	4	5	.....	.....	.....	.....	62	61	5	6	.....	.....
Lenawee.....	422	389	8	14	7	4	.....	.....	.....	400	403	22	15	.....	4
Livingston.....	126	110	.....	9	6	1	.....	.....	.....	117	119	9	6	.....	1
Luce.....	53	27	16	6	4	.....	.....	.....	.....	31	33	22	20	.....	.....
Mackinac.....	68	45	5	13	5	50	58	18	10	
Macomb.....	230	190	8	15	16	1	207	205	23	24	1	

MARRIAGES.

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Table III.—Concluded.—Marriages and persons married in Michigan, by nativity and counties, during the year 1911.

Counties.	Total marriages, 1911.	Marriages by nativity, 1911.									Persons married by nativity, 1911.					
		Both native born.	Both foreign born.	Foreign male, native female.	Foreign female, native male.	Female Unk.		Male Unk.		Both unknown.	Native born.		Foreign born.		Unk.	
						Male.	Female.	Males.	Females.		Males.	Females.				
Manistee	213	163	11	28	9	2				174	191	39	20		2	
Marquette	381	163	134	68	16					179	231	202	150			
Mason	196	155	4	24	13					168	179	28	17			
Mecosta	169	143	2	15	9					152	158	17	11			
Menominee	461	347	36	52	22	3	1			372	399	89	58		4	
Midland	130	103	3	14	4	4	2			111	117	19	7		6	
Misauksee	85	66	4	10	5					71	76	14	9			
Monroe	658	609	10	31	7	1				617	640	41	17		1	
Montcalm	239	223	3	10	3					226	233	13	6			
Montmorency	24	20	1	2	1					21	22	3	2			
Muskegon	487	372	41	46	28					400	418	87	69			
Newaygo	175	146	1	19	8		1			154	165	21	9		1	
Oakland	433	327	16	34	33	20	3			380	361	53	49		23	
Oceana	154	137	2	8	3	4				144	145	10	5		4	
Ogemaw	62	48	2	8		2	2			50	56	12	2		4	
Ontonagon	57	22	17	9	8	1				31	31	26	25		1	
Oscoda	154	124		16	9	2	3			135	140	19	9		5	
Oscoda	15	14			1					15	14		1			
Otsego	67	47	4	12	4					51	59	16	8			
Ottawa	473	352	39	60	21	1				374	412	99	60		1	
Presque Isle	108	77	3	16	5	7				89	93	19	8		7	
Roscommon	19	14	2	2	1					15	16	4	3			
Saginaw	854	639	51	108	50	4	2			693	747	161	101		6	
St. Clair	404	260	43	66	35					295	326	109	78			
St. Joseph	234	219	1	6	4	4				227	225	7	5		4	
Sanilac	299	218	18	40	23					241	258	58	41			
Schoolcraft	63	38	12	10	3					41	48	22	15			
Shiawassee	340	288	17	21	14					302	309	38	31			
Tuscola	319	268	15	25	8	3				279	293	40	23		3	
Van Buren	310	270	7	19	10	4				284	289	26	17		4	
Washtenaw	371	314	15	21	19	1	1			334	335	37	34		2	
Wayne	6,683	3,467	1,779	947	485	3	2			3,955	4,414	2,728	2,264		5	
Wexford	240	187	12	21	10	6	2	2		203	210	35	22	2	8	

Table IV.—Marriages in Michigan, by ages of males and females married during the year 1911.

Ages of males married, 1911.	Ages of females married, 1911.															Unknown.	Total males.	Per cent of males at each age.
	Under 20.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	55 to 59.	60 to 64.	65 to 69.	70 to 74.	75 to 79.	80 +				
Under 20.....	685	141	14	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	841	2.8	
20 to 24.....	5,495	6,254	655	68	19	1	1	1	.....	.....	.....	.....	.....	.....	.....	1	12,495	41.8
25 to 29.....	1,670	4,042	2,237	334	75	13	5	1	.....	.....	.....	.....	.....	.....	.....	2	8,379	28.1
30 to 34.....	303	1,017	1,027	631	171	34	8	3	2	.....	.....	1	.....	.....	.....	1	3,198	10.7
35 to 39.....	94	310	509	384	344	75	28	11	.....	.....	.....	.....	.....	.....	.....	.....	1,755	5.9
40 to 44.....	28	89	171	237	235	171	55	17	3	3	.....	.....	.....	.....	.....	.....	1,009	3.7
45 to 49.....	8	29	69	102	155	137	133	56	16	1	.....	1	.....	.....	.....	.....	707	2.4
50 to 54.....	4	14	37	50	76	116	117	79	28	8	2	1	.....	.....	.....	.....	532	1.8
55 to 59.....	1	4	8	17	37	50	83	64	58	24	4	.....	.....	.....	.....	.....	350	1.2
60 to 64.....	.....	.....	3	8	14	24	38	52	59	49	16	2	.....	1	.....	.....	266	0.9
65 to 69.....	.....	.....	3	1	4	10	23	31	31	35	23	7	1	.....	.....	.....	169	0.6
70 to 74.....	.....	.....	2	.....	4	8	7	14	19	18	28	7	1	.....	.....	.....	108	0.4
75 to 79.....	.....	.....	.....	.....	.....	2	2	6	4	4	7	7	3	1	.....	.....	36	0.1
80+.....	.....	.....	.....	.....	.....	.....	.....	1	.....	3	3	1	1	.....	.....	.....	9	.....
Unknown.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	5	.....
Total females.....	8,288	11,900	4,736	1,833	1134	641	500	336	220	145	83	27	6	2	8	29,859	.....
Per cent of females at each age.....	27.8	39.9	15.9	6.1	3.8	2.1	1.7	1.1	0.7	0.5	0.3	0.1	.....	.....	.....	.....	100.0	

Table V.—Probate marriages in Michigan, by ages of males and females during the year 1911.

Ages of males married by judges of probate, 1911.		Ages of females married by judges of probate, 1911.											Total males.	Per cent of males at each age.	
		Ages under 20 years.						Under 20 years.	20 to 24.	25 to 29.	30 to 34.	35 to 39.			50 to 54.
Ages under 20 years.	15.	1						1						1	1.1
	16.		1	1		1	1	4	1					5	5.3
	17.		4	2	3	2	4	15	1					16	17.0
	18.		4	1	1	1	2	9	2					11	11.7
	19.	1	3		2	2	1	9						9	9.5
Under 20 years.		2	12	4	6	6	8	38	4					42	44.7
20 to 24.		1	14	2	4	4	1	26	7	1				34	36.2
25 to 29.		2	4		3			9	3					12	12.7
30 to 34.									2		1			3	3.2
35 to 39.									1					1	1.1
45 to 49.												1		1	1.1
50 to 54.													1	1	1.1
Total females.		5	30	6	13	10	9	73	17	1	1	1	1	94	100.0
Per cent.		5.3	31.9	6.4	13.8	10.6	9.5	77.7	18.1	1.1	1.1	1.1	1.1		

NOTE.—Figures in bold face indicate marriages at illegal ages, for one or both parties, under the general laws of the State. The 94 marriages performed by judges of probate in Michigan during the year 1911 were distributed by months as follows: January, 10; February, 10; March, 8; April, 2; May, 4; June, 5; July, 7; August, 12; September, 7; October, 13; November, 7; December, 9. By nativity there were 75 couples both native born; 4 couples both foreign born; 11 couples with foreign male and native females; and 4 couples with foreign female and native male. These marriages were returned from 38 counties, the largest number reported from an individual county being 10. Eighty-four couples were residents of Michigan and 10 couples came from other states.

TABLES
RELATING TO
DIVORCES
IN
MICHIGAN
DURING THE
YEAR 1911.

PRIMARY TABLES RELATING TO DIVORCES AND CAUSES OF DIVORCE IN MICHIGAN DURING THE YEAR 1911.

TABLE I.—Divorce business in Michigan, by counties, during the year 1911, showing, according to the "Summaries" filed by county clerks, the number of bills for divorce pending at the beginning and end of the year, number filed during the year, number withdrawn or otherwise disposed of, number contested, and the number of divorces granted and refused.

TABLE II.—Divorces in Michigan, by counties and sex of complainant during the year 1911, showing place of marriage, number of children in family, and duration of marriage before divorce.

TABLE III.—Causes of divorce in Michigan, by sex of complainant, during the year 1911, showing place of marriage, number of children in family, and duration of marriage before divorce.

NOTE.—Secondary tables, containing divorce rates, etc., will be found on preceding pages of this Report, together with the descriptive text.

Table 1.—Divorce business in Michigan, by counties, during the year 1911, showing according to the "Summaries" filed by county clerks, the number of bills for divorce pending at the beginning and end of year, number withdrawn or otherwise disposed of, number contested and the number of divorces granted and refused.

State and Counties.	Number of bills pending on Jan. 1, 1911.	Number of bills filed during 1911.	Number of divorces granted during 1911.	Number of divorces refused during 1911.	Number of cases withdrawn etc., during 1911.	Number of bills pending on Dec. 31, 1911.	Total number of cases 1911.	Number of cases contested during 1911.
STATE.....	14,515	6,262	4,125	82	411	16,159	20,777	610
Alcona.....	6	3	4	0	4	1	9	0
Alger.....	42	6	4	0	4	40	48	0
Allegan.....	194	59	37	1	1	214	253	3
Alpena.....	97	24	12	0	0	109	121	0
Antrim.....	37	27	16	0	0	48	64	1
Arenac.....	45	10	2	0	0	53	55	0
Baraga.....	16	4	3	0	0	17	20	0
Barry.....	82	61	51	1	11	80	143	4
Bay.....	197	113	90	0	9	211	310	27
Benzie.....	52	24	20	0	4	52	76	5
Berrien.....	155	180	104	0	4	227	335	2
Branch.....	98	69	46	0	6	115	167	1
Calhoun.....	513	220	182	0	9	542	733	52
Cass.....	120	54	46	0	3	125	174	13
Charlevoix.....	129	47	37	0	1	138	176	2
Cheboygan.....	48	42	24	1	14	51	90	1
Chippewa.....	113	34	26	0	2	119	147	2
Clare.....	10	14	11	0	6	7	24	1
Canton.....	225	40	32	0	5	228	265	0
Crawford.....	5	8	3	0	3	7	13	3
Delta.....	108	40	15	0	3	130	148	13
Dickinson.....	29	2	4	0	1	26	31	1
Eaton.....	147	73	60	0	14	146	220	0
Emmet.....	128	32	28	1	0	131	160	0
Genesee.....	604	179	112	2	6	663	783	20
Gladwin.....	9	5	3	0	0	11	14	0
Gogebic.....	83	12	3	0	1	91	95	0
Grand Traverse.....	200	63	42	1	0	220	263	7
Gratiot.....	255	90	53	0	2	290	345	15
Hillsdale.....	250	80	59	2	3	266	330	2
Houghton.....	79	36	23	0	4	88	115	0
Huron.....	65	24	18	1	0	70	89	0
Ingham.....	268	139	77	0	4	326	407	0
Ionia.....	290	86	63	0	3	310	376	9
Iosco.....	18	11	7	1	3	18	29	0
Iron.....	27	4	6	0	0	25	31	0
Isabella.....	128	49	33	2	8	134	177	0
Jackson.....	308	144	80	1	0	371	452	0
Kalamazoo.....	132	209	151	0	4	186	341	11
Kalkaska.....	55	26	21	1	0	59	81	3
Kent.....	1,503	436	280	3	16	1,640	1,939	47
Keweenaw.....	3	4	1	0	0	6	7	0
Lake.....	2	8	5	0	0	5	10	0
Lapeer.....	124	35	14	0	4	141	159	7
Leelanau.....	11	5	2	0	0	14	16	1
Lenawee.....	292	91	61	0	10	312	383	0
Livingston.....	25	27	28	0	3	21	52	4
Luce.....	1	1	0	0	0	2	2	0
Mackinac.....	33	5	10	0	0	28	38	2
Macomb.....	39	58	47	0	24	26	97	0
Manistee.....	74	20	16	0	0	78	94	2
Marquette.....	61	24	14	0	1	70	85	0
Mason.....	40	32	21	0	15	36	72	5
Mecosta.....	90	33	20	3	0	100	123	4
Menominee.....	48	14	10	0	1	51	62	0

DIVORCES.

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Table I.—Concluded.—Divorce business in Michigan, by counties, during the year 1911, showing according to the "Summaries" filed by county clerks, the number of bills for divorce pending at the beginning and end of year, number withdrawn or otherwise disposed of, number contested and the number of divorces granted and refused.

Counties.	Number of bills pending on Jan. 1, 1911.	Number of bills filed during 1911.	Number of divorces granted during 1911.	Number of divorces refused during 1911.	Number of cases withdrawn etc., during 1911.	Number of bills pending on Dec. 31, 1911.	Total number of cases 1911.	Number of cases contested during 1911.
Midland.....	19	17	12	0	0	24	36	5
Missaukee.....	21	20	18	0	3	20	41	4
Monroe.....	17	30	15	1	11	20	47	2
Montcalm.....	156	62	43	0	3	172	218	1
Montmorency.....	16	5	3	0	1	17	21	0
Muskegon.....	207	101	54	1	4	249	308	1
Newaygo.....	37	32	25	0	1	43	69	5
Oakland.....	361	100	63	7	12	379	461	10
Oceana.....	84	34	32	0	0	86	118	2
Ogemaw.....	8	11	3	4	1	11	19	0
Ontonagon.....	2	7	6	0	0	3	9	3
Oscoda.....	70	31	15	0	5	81	101	5
Oscoda.....	2	2	0	0	0	4	4	0
Otsego.....	16	0	1	1	0	14	16	0
Ottawa.....	155	51	41	1	4	160	206	4
Presque Isle.....	19	19	10	0	6	22	38	0
Roscommon.....	5	4	4	0	0	5	9	0
Saginaw.....	773	232	158	3	18	826	1,005	5
St. Clair.....	531	89	57	0	1	562	620	7
St. Joseph.....	38	37	26	1	4	44	75	1
Sanilac.....	77	34	26	3	0	82	111	0
Schoolcraft.....	26	10	9	0	0	27	36	1
Shiawassee.....	285	90	57	0	13	305	375	45
Tuscola.....	99	27	42	0	0	84	126	2
Van Buren.....	189	77	50	1	2	213	266	19
Washtenaw.....	252	98	50	0	6	294	350	19
Wayne.....	3,238	1,841	1,140	38	75	3,826	5,079	199
Wexford.....	99	65	29	0	27	108	164	0

Table II.—Divorces in Michigan, by counties and sex of complainant, during the year 1911.

State and counties.	Sex of complainant.	Complainants in divorces granted, 1911.	Place of marriage.						Number of									
			Michigan.	Ohio, Indiana and Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
STATE.....	Totals.....	4,026	2,976	211	317	373	80	69	2,085	924	462	237	132	57	45	17	14	8
	Males.....	1,150	815	68	106	96	37	28	675	213	102	64	39	14	16	7	4	2
	Females.....	2,876	2,161	143	211	277	43	41	1,410	711	360	173	93	43	29	10	10	6
Alcona.....	Totals.....	4	4						1	1	1	1						
	Males.....																	
	Females.....	4	4						1	1	1	1						
Alger.....	Totals.....	4	2	1		1			2	1	1							
	Males.....																	
	Females.....	4	2	1		1			2	1	1							
Allegan.....	Totals.....	37	32	3	2				24	8	1	2		1	1			
	Males.....	6	6						4	1		1						
	Females.....	31	26	3	2				20	7	1	1		1	1			
Alpena.....	Totals.....	12	10		1			1	6	2	1		1	1		1		
	Males.....	4	3					1	3	1								
	Females.....	8	7		1				3	1	1		1	1		1		
Antrim.....	Totals.....	16	14	1	1				11	3	2							
	Males.....	7	6	1					6	1								
	Females.....	9	8		1				5	2	2							
Arenac.....	Totals.....	2	2						1			1						
	Males.....																	
	Females.....	2	2						1			1						
Baraga.....	Totals.....	3	2		1				2	1								
	Males.....	2	1		1				2									
	Females.....	1	1							1								
Barry.....	Totals.....	51	47		3	1			35	7	2	3	2				1	1
	Males.....	18	17			1			16	1		1						
	Females.....	33	30		3				19	6	2	2	2				1	1
Bay.....	Totals.....	90	82	2	5			1	45	22	15	3	3			1		
	Males.....	25	24		1				16	5	2		2					
	Females.....	65	58	2	4			1	29	17	13	3	1			1		
Benzie.....	Totals.....	20	20						14	2	2				2			
	Males.....	7	7						4	2					1			
	Females.....	13	13						10		2				1			
Berrien.....	Totals.....	104	75	14	12		1	2	62	20	9	7	2	1	1	1		
	Males.....	23	16	1	4			2	17	3		1				1		
	Females.....	81	59	13	8		1		45	17	9	6	2	1	1			
Branch.....	Totals.....	46	40	4		1		1	27	10	3	1	2		1		1	
	Males.....	9	8	1					6	2					1			
	Females.....	37	32	3		1		1	21	8	3	1	2				1	
Calhoun.....	Totals.....	183	153	7	7	3	3	10	91	52	20	9	7		1			
	Males.....	40	30	3	2		1	4	25	7	5	1	2					
	Females.....	143	123	4	5	3	2	6	66	45	15	8	5		1			
Cass.....	Totals.....	46	32	10	2		1	1	27	10	4	2	1	1				
	Males.....	11	7	3				1	7	1	1		1					
	Females.....	35	25	7	2		1		20	9	3	2		1				
Charlevoix.....	Totals.....	37	27	1	3			6	15	12	5	2	1		1			
	Males.....	11	7	1	1			2	7	3								
	Females.....	26	20		2			4	8	9	5	2	1		1			
Cheboygan.....	Totals.....	24	20	1	2			1	13	5	4	1	1					
	Males.....	7	6		1				4	1	1	1						
	Females.....	17	14	1	1			1	9	4	3		1					

Table II.—Continued.—Divorces in Michigan, by counties and sex of complainant, during the year

Counties.	Sex of complainant.	Complainants in divorces granted, 1911.	Place of marriage.						Number of									
			Michigan.	Ohio, Indiana and Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Chippewa.....	Totals...	26	17	1	2	4	1	1	11	5	6	...	1	1	1	...	1	...
	Males.....	8	5	1	1	1	...	1	6	1	1	...	...	...	...	...	...	...
	Females...	18	12	...	1	4	1	...	5	4	5	...	1	1	1	...	1	...
Clare.....	Totals...	11	11	...	...	...	...	...	5	2	...	...	1	2	...	...	1	...
	Males.....	3	3	...	...	...	...	...	1	...	...	...	...	1	...	...	1	...
	Females...	8	8	...	...	...	...	...	4	2	...	...	1	1	...	...	...	...
Clinton.....	Totals...	31	26	1	2	2	...	...	16	7	...	4	2	...	1	...	...	...
	Males.....	12	11	...	...	1	...	...	7	1	...	2	...	...	1	...	...	...
	Females...	19	15	1	2	1	...	...	9	6	...	2	2	...	...	...	...	...
Crawford.....	Totals...	3	3	...	...	...	...	...	1	...	...	1	...	...	...	1	...	...
	Males.....	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
	Females...	2	2	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...
Delta.....	Totals...	15	14	...	1	...	...	...	9	4	1	...	...	1	...	...	...	...
	Males.....	2	2	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...
	Females...	13	12	...	1	...	...	...	7	4	1	...	...	1	...	...	...	...
Dickinson.....	Totals...	4	2	...	...	...	1	1	2	1	1	...	...	...	...	...	...	...
	Males.....	2	1	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...
	Females...	2	1	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...
Eaton.....	Totals...	60	54	2	2	1	...	1	37	8	7	5	...	2	1	...	...	...
	Males.....	18	16	1	1	...	...	...	14	1	1	1	...	...	1	...	...	...
	Females...	42	38	1	1	1	...	1	23	7	6	4	...	2	...	...	...	...
Emmet.....	Totals...	27	23	2	...	1	...	1	11	10	2	3	...	1	...	...	...	...
	Males.....	8	6	1	...	...	...	1	3	2	1	1	...	1	...	...	...	...
	Females...	19	17	1	...	1	...	...	8	8	1	2	...	...	...	...	...	...
Genesee.....	Totals...	107	85	5	8	9	...	...	61	26	11	7	1	...	...	...	...	...
	Males.....	21	15	1	2	3	...	...	12	5	3	1	...	...	...	...	...	...
	Females...	86	70	4	6	6	...	...	49	21	8	6	1	...	...	...	...	...
Gladwin.....	Totals...	3	3	...	...	...	...	...	1	...	...	...	1	...	1	...	...	...
	Males.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Females...	3	3	...	...	...	...	...	1	...	...	...	1	...	1	...	...	...
Gogebic.....	Totals...	3	1	...	2	...	...	...	1	1	...	1	...	...	...	...	...	...
	Males.....	1	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...
	Females...	2	1	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...
Grand Traverse.....	Totals...	50	46	...	3	...	1	...	28	14	2	4	...	1	1	...	...	...
	Males.....	17	16	...	1	...	...	...	12	3	1	1	...	...	...	...	...	...
	Females...	33	30	...	2	...	1	...	16	11	1	3	...	1	1	...	...	...
Gratiot.....	Totals...	53	47	5	1	...	...	...	32	12	3	4	2	...	...	...	...	...
	Males.....	21	18	3	...	...	...	...	14	5	1	1	...	...	...	...	...	...
	Females...	32	29	2	1	...	...	...	18	7	2	3	2	...	...	...	...	...
Hillsdale.....	Totals...	54	43	4	2	4	...	1	31	14	1	4	...	1	3	...	...	...
	Males.....	17	17	...	...	...	...	...	10	3	...	2	...	...	2	...	...	...
	Females...	37	26	4	2	4	...	1	21	11	1	2	...	1	1	...	...	...
Houghton.....	Totals...	9	8	...	...	...	1	...	6	1	1	...	...	1	...	...	...	...
	Males.....	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
	Females...	8	7	...	...	...	1	...	5	1	1	...	...	1	...	...	...	...
Huron.....	Totals...	18	12	...	4	2	...	...	8	4	...	3	1	1	1	...	...	...
	Males.....	6	3	...	3	...	...	...	3	1	...	...	1	1	...	...	...	...
	Females...	12	9	...	1	2	5	3	...	3	1
Ingham.....	Totals...	23	23	13	3	4	1	1
	Males.....	8	8	3	1	3
	Females...	15	15	10	2	1	1	1

DIVORCES.

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1911, showing place of marriage, number of children in family, and duration of marriage before divorce.

children in family.						Duration of marriage before divorce.																
10.	11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	Unknown.
								1	1	2	4	10	5	3	2		2					
								1	1	1	2	5	1	4	3		2					
									1	1	2	5					2					
									2	3	5		1	1	2	1	1					
									2	1	1			1			1					
									2	2	4		1		2	1						
					1	1	1	2		2	6	12	3	3	3	2	2					
					1	1	1	2		2	3	7	3	3	2	2	2					
										2	3	5	3	3	1	2	2					
												1	1				1					
												1	1				1					
						3	3	2	2	1	11	2	1	1								
						1	3	2	1	1	2	2	1	1								
						2					9											
												2	1		1							
												1			1							
												1	1									
						7	5	2	2	2	18	19	12	4	4	2						1
						4	2	1			7	4	5	2								
						3	3	1	2	2	11	15	7	2	4	2						1
						1	1	1	2	2	7	10	5	3	1						1	
						1	1	1	1	1	3	3	3		1					1		
								1	1	1	4	7	5	3								
					1		8	12	4	6	30	38	19	8	7	3	1	1				
								2	1	2	5	7	3	3	3	2	1					
				1			8	10	3	4	25	31	16	5	5	2	1	1				
								1			1		1	1								
								1			1		1	1								
									1		1											
									1		1		1									
						1	1	3	2	5	12	17	6	6	4	2	2		1			
						1	1	1	2	1	6	4	2	3	1	1	1					
												13	4	3	3	2			1			
						1	2	5	6	6	20	12	10	7		2	2					
						1	2	2	1	1	6	7	6	4		1	1					
							2	3	4	5	14	5	4	7		1	1					
						2	3	5	3	3	16	15	10	2	4	4	1	1	1	1		
						2	2	1	4	3	13	3	6	4	2	3	1	1	1	1		
							1	1		2	4	4			1							
							1	1		1	1	4			1							
							1	4			5	8	1	2		2						
							1				3	3	1	1		1						
								4			4	5	1	1		1						
					1	1	2	1	2	2	8	8	4	2					1			
					1	1		1	2	2	2	2	2					1				
							2	1		2	5	6	2									

VITAL STATISTICS OF MICHIGAN, 1911.

Table II.—Continued.—Divorces in Michigan, by counties and sex of complainant, during the year

Counties.	Sex of complainant.	Complainants in divorces granted, 1911.	Place of marriage.						Number of									
			Michigan.	Ohio, Indiana and Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Ionia.....	Totals...	63	57	1	4	.....	1	.....	33	16	7	1	3	1	1	1	.....	.....
	Males...	19	15	1	2	.....	1	.....	14	3	1	.....	.....	.....	.....	.....	.....	.....
	Females...	44	42	.....	2	.....	.....	.....	19	13	6	1	3	1	.....	1	.....	.....
Iosco.....	Totals...	7	6	.....	.....	1	.....	.....	2	1	.....	3	1	.....	.....	.....	.....	.....
	Males...	2	2	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....
	Females...	5	4	.....	.....	1	.....	.....	2	1	.....	2	.....	.....	.....	.....	.....	.....
Iron.....	Totals...	6	3	.....	.....	.....	2	1	2	2	1	.....	1	.....	.....	.....	.....	.....
	Males...	1	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females...	5	3	.....	.....	.....	2	.....	1	2	1	.....	1	.....	.....	.....	.....	.....
Isabella.....	Totals...	27	23	1	.....	.....	.....	3	12	7	5	1	1	.....	.....	.....	.....	.....
	Males...	5	5	.....	.....	.....	.....	.....	2	2	1	.....	.....	.....	.....	.....	.....	.....
	Females...	22	18	1	.....	.....	.....	3	10	5	4	1	1	.....	.....	.....	.....	.....
Jackson.....	Totals...	80	59	9	6	6	.....	.....	50	18	7	3	1	.....	.....	.....	.....	.....
	Males...	15	11	3	1	.....	.....	.....	10	1	1	1	1	.....	.....	.....	.....	.....
	Females...	65	48	6	5	6	.....	.....	40	17	6	2	.....	.....	.....	.....	.....	.....
Kalamazoo.....	Totals...	151	119	16	10	3	2	1	80	32	21	6	7	1	4	.....	.....	.....
	Males...	46	34	8	3	.....	.....	1	27	9	2	3	4	.....	1	.....	.....	.....
	Females...	105	85	8	7	3	2	.....	53	23	19	3	3	1	3	.....	.....	.....
Kalkaska.....	Totals...	21	16	2	3	.....	.....	.....	11	3	3	1	2	.....	1	.....	.....	.....
	Males...	7	6	.....	1	.....	.....	.....	4	2	.....	1	.....	.....	.....	.....	.....	.....
	Females...	14	10	2	2	.....	.....	.....	7	1	3	.....	2	.....	1	.....	.....	.....
Kent.....	Totals...	278	221	5	36	5	5	6	159	59	40	6	5	3	2	2	1	.....
	Males...	83	65	1	10	1	5	1	47	19	12	2	.....	1	1	1	.....	.....
	Females...	195	156	4	26	4	.....	5	112	40	28	4	5	2	1	1	1	.....
Keweenaw.....	Totals...	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Males...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females...	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lake.....	Totals...	8	6	1	1	.....	.....	.....	4	.....	1	2	.....	.....	.....	.....	.....	.....
	Males...	4	2	1	1	.....	.....	.....	2	.....	1	1	.....	.....	.....	.....	.....	.....
	Females...	4	4	.....	.....	.....	.....	.....	2	.....	.....	1	.....	.....	.....	.....	.....	.....
Lapeer.....	Totals...	14	11	.....	1	2	.....	.....	4	2	5	2	.....	.....	.....	.....	.....	.....
	Males...	6	6	.....	.....	.....	.....	.....	2	.....	3	1	.....	.....	.....	.....	.....	.....
	Females...	8	5	.....	1	2	.....	.....	2	2	2	1	.....	.....	.....	.....	.....	.....
Leelanau.....	Totals...	2	2	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
	Males...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females...	2	2	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
Lenawee.....	Totals...	61	52	4	2	2	1	.....	32	9	9	5	2	.....	3	.....	.....	1
	Males...	19	15	2	1	1	.....	.....	16	1	.....	2	.....	.....	.....	.....	.....	.....
	Females...	42	37	2	1	1	1	.....	16	8	9	3	2	.....	3	.....	.....	1
Livingston.....	Totals...	28	22	.....	1	2	1	2	16	4	3	2	1	1	.....	.....	.....	.....
	Males...	7	5	.....	.....	1	1	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females...	21	17	.....	1	1	.....	2	10	4	3	2	1	.....	.....	.....	.....	.....
Luce.....	Totals...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Males...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mackinac.....	Totals...	10	10	.....	.....	.....	.....	.....	4	5	1	.....	.....	.....	.....	.....	.....	.....
	Males...	1	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females...	9	9	.....	.....	.....	.....	.....	3	5	1	.....	.....	.....	.....	.....	.....	.....
Macomb.....	Totals...	26	15	1	4	5	1	14	7	1	4
	Males...	12	5	2	4	1	6	3	1	2
	Females...	14	10	1	2	1	8	4	2

DIVORCES.

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1911, showing place of marriage, number of children in family, and duration of marriage before divorce.

children in family.						Duration of marriage before divorce.																	
10.	11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	Unknown.	
						1	6	5	8		20	19	5	8	5	3	2		1				
						1	2	3	2		7	6	1	4									
							4	2	6		13	13	4	4	5	3	2		1				
									1		1	2	2		1				1				
									1		1		1		1				1				
						1			2	1	4	1	1										
						1			1		3	1	1										
						1	1		3	1	5	9	6	2	2		1					2	
						1	1		2	1	4	7	5	2	2		1					2	
						1	3	5	5	14	30	22	14	6	4	4							
						1	2	1	2	3	10	1	2	1	1								
							6	16	8	9	39	50	24	13	11	9	4						
							1	6	2	4	13	15	7	5	3		2				1		
							5	10	6	5	26	35	17	8	8	9	2				1		
								2		1	3	8	3	4		1	1	1					
								1			1	2		2			1						
						1	9	11	18	24	83	90	44	22	17	13	5	1		2		1	
						1	1	4	8	5	22	25	15	7	7	2	3			1		1	
							8	7	14	16	61	65	29	15	10	11	2	1		1			
	1														1								
	1														1								
						1			1		1	1	3		3								
						1			1		1	1	2		2								
													</										

Table II.—Continued.—Divorces in Michigan, by counties and sex of complainant, during the year

Counties.	Sex of complainant.	Complainants in divorces granted, 1911.	Place of marriage.						Number of									
			Michigan.	Ohio, Indiana and Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Manistee.....	Totals...	16	12	1	2	1	...	...	2	9	2	2	1	...	...	...	...	...
	Males...	5	4	1	...	...	...	...	1	3	1	...	...	...	...	...	...	...
	Females...	11	8	...	2	1	...	...	1	6	1	2	1	...	...	...	...	...
Marquette.....	Totals...	14	9	1	1	2	1	...	7	4	1	1	...	...	...	...	...	...
	Males...	3	2	...	...	1	...	...	1	1	...	1	...	...	...	...	...	...
	Females...	11	7	1	1	1	1	...	6	3	1	...	...	...	...	...	...	...
Mason.....	Totals...	22	19	1	...	1	1	...	6	4	6	1	2	...	1	1	...	...
	Males...	3	2	...	...	...	1	...	1	...	2	...	...	...	...	...	...	...
	Females...	19	17	1	...	1	...	...	5	4	4	1	2	...	1	1	...	...
Mecosta.....	Totals...	20	18	...	...	2	...	...	9	5	3	2	1	...	...	...	...	...
	Males...	4	4	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...
	Females...	16	14	...	...	2	...	...	5	5	3	2	1	...	...	...	...	...
Menominee.....	Totals...	10	7	1	...	...	1	1	2	5	3	...	...	...	...	...	...	...
	Males...	2	1	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...
	Females...	8	6	1	...	...	...	1	1	5	2	...	...	...	...	...	...	...
Midland.....	Totals...	12	11	1	...	...	...	...	8	2	...	1	1	...	...	...	...	...
	Males...	4	3	1	...	...	...	...	3	...	...	1	...	...	...	...	...	...
	Females...	8	8	...	...	...	...	...	5	2	...	...	1	...	...	...	...	...
Missaukee.....	Totals...	18	17	...	...	...	1	...	6	4	3	2	2	...	...	1	...	...
	Males...	3	3	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...
	Females...	15	14	...	...	...	1	...	3	4	3	2	2	...	...	1	...	...
Monroe.....	Totals...	15	14	...	...	1	...	...	7	2	3	2	...	...	...	1	...	...
	Males...	7	7	...	...	...	...	...	5	...	...	1	...	...	...	1	...	...
	Females...	8	7	...	...	1	...	...	2	2	3	1	...	...	...	...	...	...
Montcalm.....	Totals...	43	39	...	3	1	...	...	25	8	6	2	1	1	...	...	...	...
	Males...	16	13	...	2	1	...	...	10	4	1	...	1	...	...	...	...	...
	Females...	27	26	...	1	...	...	...	15	4	5	2	...	1	...	...	...	...
Montmorency.....	Totals...	3	2	...	...	1	...	...	2	...	...	...	...	1	...	...	...	...
	Males...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Females...	3	2	...	...	1	...	...	2	...	...	...	...	1	...	...	...	...
Muskegon.....	Totals...	54	43	2	8	1	...	...	32	11	5	2	2	2	...	...	...	...
	Males...	17	13	1	2	1	...	...	12	2	1	1	...	1	...	...	...	...
	Females...	37	30	1	6	...	...	...	20	9	4	1	2	1	...	...	...	...
Newaygo.....	Totals...	25	17	1	1	...	1	5	3	4	2	1	2	...	...	...	...	...
	Males...	9	5	...	...	...	1	3	1	2	...	...	...	...	...	...	...	...
	Females...	16	12	1	1	...	...	2	2	2	2	1	2	...	...	...	...	...
Oakland.....	Totals...	63	48	2	3	8	...	2	29	18	7	4	2	...	1	...	1	...
	Males...	24	19	1	3	1	...	...	11	9	2	2	...	...	...	...	...	...
	Females...	39	29	1	...	7	...	2	18	9	5	2	2	...	1	...	1	...
Oceana.....	Totals...	32	28	...	3	...	1	...	17	7	2	2	3	1	...	...	...	...
	Males...	11	9	...	1	...	1	...	7	2	...	2	...	...	...	...	...	...
	Females...	21	19	...	2	...	...	...	10	5	2	2	1	1	...	...	...	...
Ogemaw.....	Totals...	3	3	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...
	Males...	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
	Females...	2	2	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...
Ontonagon.....	Totals...	5	3	...	2	...	...	...	2	1	...	1	...	...	1	...	...	...
	Males...	2	2	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...
	Females...	3	1	...	2	2	1
Osceola.....	Totals...	15	13	1	...	1	2	3	4	2	3	1	...
	Males...	4	3	1	1	2	1	...
	Females...	11	10	1	1	3	4	2	1

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children in family.

[illegible]

Table II.—Concluded.—Divorces in Michigan, by counties and sex of complainant, during the year

Counties.	Sex of complainant.	Complainants in divorces granted, 1911.	Place of marriage.						Number of									
			Michigan.	Ohio, Indiana and Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
Oscoda.....	Totals...																	
	Males...																	
	Females...																	
Otsego.....	Totals...	1	1							1								
	Males...																	
	Females...	1	1							1								
Ottawa.....	Totals...	41	35	1	3	1	1		19	12	4	4		1	1			
	Males...	12	10	1	1				6	4	1	1						
	Females...	29	25		2	1	1		13	8	3	3		1	1			
Presque Isle....	Totals...	10	10						3	4	1	1	1					
	Males...	7	7						2	4			1					
	Females...	3	3						1		1	1						
Roscommon.....	Totals...	4	1	2				1	3				1					
	Males...																	
	Females...	4	1	2				1	3				1					
Saginaw.....	Totals...	156	129	7	6	11	2	1	78	36	16	13	3	3	4		1	1
	Males...	30	21	1	3	3	1	1	17	5	3	3	1					
	Females...	126	108	6	3	8	1		61	31	13	10	2	3	4		1	1
St. Clair.....	Totals...	57	37		1	18		1	21	15	8	4	5		1	1	1	
	Males...	14	8		1	5			6	4	1		2			1		
	Females...	43	29			13		1	15	11	7	4	3		1		1	
St. Joseph.....	Totals...	26	24	1	1				11	9	4		1	1				
	Males...	5	5						2	2			1					
	Females...	21	19	1	1				9	7	4			1				
Sanilac.....	Totals...	26	23		2		1		12	9	2		1	1		1		
	Males...	8	7				1		5	2						1		
	Females...	18	16		2				7	7	2		1	1				
Schoolcraft.....	Totals...	9	8			1			3	4	1	1						
	Males...	3	3						1	1	1							
	Females...	6	5			1			2	3		1						
Shiawassee.....	Totals...	56	51	1	2	2			32	9	9	2	2	1				1
	Males...	20	18		1	1			14	1	1	2		1				1
	Females...	36	33	1	1	1			18	8	8		2					
Tuscola.....	Totals...	42	37			5			17	8	11	3	1	1	1			
	Males...	17	14			3			9	2	5				1			
	Females...	25	23			2			8	6	6	3	1	1				
Van Buren.....	Totals...	50	41	3	6				24	10	7	5	2			2		
	Males...	14	11	1	2				7	2	2	1	2					
	Females...	36	30	2	4				17	8	5	4				2		
Washtenaw.....	Totals...	50	42	2	2	3		1	24	12	4	4	4	1				
	Males...	17	13		1	2		1	7	7	1	1	1					
	Females...	33	29	2	1	1			17	5	3	3	3	1				
Wayne.....	Totals...	1,139	606	78	135	257	50	13	589	266	132	68	38	21	7	2	5	3
	Males...	339	169	28	48	65	24	5	189	63	36	20	14	8	5	1	2	
	Females...	800	437	50	87	192	26	8	400	203	96	48	24	13	2	1	3	3
Wexford.....	Totals...	30	25	2	2	1			16	6	3	3				1		1
	Males...	6	5		1				4	1						1		
	Females...	24	20	2	1	1			12	5	3	3						1

DIVORCES.

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1911, showing place of marriage, number of children in family, and duration of marriage before divorce.

children in family.						Duration of marriage before divorce.																	
10.	11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	Unknown.	
												1											
												1											
						1		4	3	5	13	13	7	3	4	1							
						1		4	2	4	10	11	4	3	4	1							
									2		2	4	4										
									2		2	3	2										
								1			1	1	2			1							
								1			1	1	1			1							
					1	4	12	11	13	15	55	51	21	8	5	9	4	3					
					1	1	3	3	1		8	11	3	3		1	3	1					
						9	8	12	15		47	40	18	5	5	8	1	2					
1						1	2	5	10	18	13	9	3	7	3	3							
1							1	2	1	4	3	1	2	3	4	3	3		1				
								4		1	5	9	5	2	3	2							
								4		1	5	1	1	2	1	1							
									4		1	8	4	2	1	1							
								2	4	1	7	11	3		3	2							
								2	1		3	2			2	1							
									3	1	4	9	3		1	1							
								1		1	2	4	2			1							
								1		1	2	1	1			1							
						2	7	6	2	4	21	20	3	7	3		1						
						5	3	3	2		10	4	1	2	2				1				
						2	2	3		4	11	16	2	5	1		1		1				
							1	2	1	2	6	14	7	7	2	5	1						
							1	1	1	1	3	7	2	1	3	3	1						
							1	1		1	3	7	5	6	2	2							
						1	3	2	5	2	13	16	11	5	2	1	2						
							3	2	3	2	4	11	4	1	2	1	2						
											9	18	9	4	3	4	1					1	
						1	1	3	2		2	6	4	2		2				1			
						1	1	1	2		7	12	5	2	3	2	1					1	
1	1	1			5	31	68	76	81	111	367	312	202	94	78	50	12	7	13	2		2	
1	1	1			1	4	13	17	24	23	81	100	63	30	31	16	3	3	9	1			
					4	27	55	59	57	88	286	212	139	64	47	34	9	4	4	1			
							5	3	3	3	14	6	1	3	3	1	1						
							2	1		1	4	1						1					
							3	2	3	2	10	5	1	3	3	1	1						

Table III.—Causes of divorce in Michigan, by sex of complainant, during the year 1911.

Causes alleged in petition for divorces granted in 1911.	Sex of complainant.	Complainants in divorces granted, 1911.	Place of marriage.						Number of							
			Michigan.	Ohio, Indiana and Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.	0.	1.	2.	3.	4.	5.	6.	7.
ALL CAUSES.....	Totals...	4,026	2,976	211	317	373	80	69	2085	924	462	237	132	57	45	17
	Males...	1,150	815	68	106	96	37	28	675	213	102	64	39	14	16	7
	Females...	2,876	2,161	143	211	277	43	41	1410	711	360	173	93	43	29	10
Adultery.....	Totals...	66	50	1	6	3	4	2	35	12	12	2	2	1		
	Males...	45	31		5	3	4	2	22	7	9	2	2	1		
	Females...	21	19	1	1				13	5	3					
Annulment.....	Totals...	10	7			3			9						1	
	Males...	4	2			2			4							
	Females...	6	5			1			5						1	
Assault, intent to murder.....	Totals...	1	1						1							
	Males...															
	Females...	1	1						1							
Bigamy.....	Totals...	12	5	1	1	5			10	1	1					
	Males...	5	3			2			4	1						
	Females...	7	2	1	1	3			6		1					
Conviction of crime.....	Totals...	15	14			1			5	3	2	2			1	
	Males...															
	Females...	15	14			1			5	3	2	2			1	
Cruelty.....	Totals...	1,786	1,395	87	128	128	24	24	949	392	185	116	58	28	26	9
	Males...	626	486	32	49	40	6	13	390	107	42	38	18	7	13	3
	Females...	1,160	909	55	79	88	18	11	559	285	143	78	40	21	13	6
Cruelty and adultery.....	Totals...	4	3	1					2	1			1			
	Males...	1	1						1							
	Females...	3	2	1					1	1			1			
Cruelty and desertion.....	Totals...	88	52	4	17	9	5	1	47	19	8	6	3	2		1
	Males...	41	20	3	7	6	4	1	23	9	1	2	3	1		1
	Females...	47	32	1	10	3	1		24	10	7	4		1		
Cruelty and drunkenness.....	Totals...	21	15	4		1	1		7	7	4	1		1	1	
	Males...	2		2					1		1					
	Females...	19	15	2		1	1		6	7	3	1		1	1	
Cruelty, desertion and non-support.....	Totals...	4	2	1	1				2		2					
	Males...	1			1				1							
	Females...	3	2	1					1		2					
Cruelty, drunkenness and adultery.....	Totals...	1	1							1						
	Males...															
	Females...	1	1							1						
Cruelty drunkenness and desertion.....	Totals...	1				1			1							
	Males...															
	Females...	1				1			1							
Cruelty, drunkenness and non-support.....	Totals...	39	23	1	4	8	2	1	20	6	6	3	2	1		
	Males...	5	2		1	2			2	1	2					
	Females...	34	21	1	3	6	2	1	18	5	4	3	2	1		
Cruelty and misconduct.....	Totals...	2	2						2							
	Males...	2	2						2							
	Females...															
Cruelty and non-support.....	Totals...	556	390	24	43	74	13	12	280	135	70	31	20	7	1	2
	Males...	27	15		3	3	4	2	8	7	3	4	4			
	Females...	529	375	24	40	71	9	10	272	128	67	27	16	7	1	2
Cruelty, non-support and conviction of crime.....	Totals...	1	1						1							
	Males...															
	Females...	1	1						1							

showing place of marriage, number of children in family and duration of marriage before divorce.

children in family.								Duration of marriage before divorce.																
8.	9.	10.	11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	Unknown.
14	8	3	5	3	1	1	32	111	244	291	237	326	1259	1197	655	338	251	172	72	30	27	7	2	16
4	2	1	1	1	1	1	11	31	72	80	85	78	346	332	181	102	81	39	28	14	16	4	1	6
10	6	2	4	3	1	1	21	80	172	211	202	248	913	865	474	236	170	133	44	16	11	3	1	10
...	...	...	...	...	...	...	2	1	1	2	4	4	12	20	13	9	5	4	2	...	...	...	...	1
...	...	...	...	...	...	...	2	1	1	2	4	3	11	13	9	5	3	2	1	...	...	...	...	1
...	...	...	...	...	...	...	...	1	4	1	1	1	7	2	...	...	1	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	2	1	1	...	2	2	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	2	1	1	...	5	...	...	...	1	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	1	1	3	...	6	4	1	...	1	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	1	1	2	...	1	4	1	...	1	...	...	...	...	...	...	...
...	1	...	1	...	...	...	...	...	1	...	...	...	1	7	1	3	3	...	...	...	...	...	...	...
...	1	...	1	...	...	...	...	...	1	...	...	...	1	7	1	3	3	...	...	...	...	...	...	...
4	4	...	3	2	...	...	10	60	126	150	122	129	587	520	309	152	95	63	26	13	8	4	1	8
4	1	...	1	...	...	...	6	26	56	57	48	45	232	172	97	49	35	15	12	4	4	3	...	3
4	3	...	2	2	...	...	4	34	70	93	74	84	355	348	212	103	60	48	14	9	4	1	1	5
...	...	...	...	...	...	...	...	...	...	...	...	2	2	1	...	1	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	1	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	1	...	...	...	...	...	...	...	...
1	...	1	...	...	...	...	...	1	5	1	3	5	15	35	17	8	8	2	3	...	...	...	...	...
1	...	...	...	...	...	...	...	1	4	1	2	2	7	12	9	3	6	2	2	...	...	...	...	...
...	...	1	...	...	...	...	...	1	1	1	2	3	8	23	8	5	2	1	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	1	1	...	...	3	9	2	2	5	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	1	1	...	...	3	8	1	2	5	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	1	...	...	2	3	...	...	1	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
1	1	...	1	...	...	1	6	25	51	56	55	55	242	130	83	39	30	15	9	1	5	...	2	...
1	1	...	1	...	...	1	1	2	1	3	2	2	8	7	4	3	1	2	...	...	1	1	1	1
...	...	...	...	...	...	...	5	23	50	53	53	55	234	123	79	36	29	13	9	1	4	...	1	1
...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...

VITAL STATISTICS OF MICHIGAN, 1911.

Table III.—Concluded.—Causes of divorce in Michigan, by sex of complainant during the year 1911.

Causes alleged in petition for divorces granted in 1911.	Sex of complainant.	Complainants in divorces granted, 1911.	Place of marriage.							Number of							
			Michigan.	Ohio, Indiana and Wisconsin.	Other states.	Canada.	Other foreign countries.	Unknown.		0.	1.	2.	3.	4.	5.	6.	7.
Insanity.....	Totals...	2	1	1					1			1					
	Males...	1		1								1					
	Females...	1	1						1								
Non-support.....	Totals...	397	303	20	26	37	5	6	200	109	42	17	9	3	7	1	
	Males...	12	7	1	1	2		1	5	5	1						
	Females...	385	296	19	25	35	5	5	195	104	41	17	9	3	7	1	
Non-support and cruelty.....	Totals...	67	52	5	5	5			40	11	9	3	2	1	1		
	Males...	3	3						1		2						
	Females...	64	49	5	5	5			39	11	7	3	2	1	1		
Non-support and desertion.....	Totals...	20	13	2	2	1	1	1	8	8	2		2				
	Males...																
	Females...	20	13	2	2	1	1	1	8	8	2		2				
Non-support and drunken- ness.....	Totals...	12	11			1			4	1	5				2		
	Males...	1	1						1								
	Females...	11	10			1			3	1	5				2		
Not marriageable at time of marriage.....	Totals...	1			1				1								
	Males...	1			1				1								
	Females...																
Wife under age.....	Totals...	1	1														
	Males...																
	Females...	1	1														

showing place of marriage, number of children in family and duration of marriage before divorce.

children in family.								Duration of marriage before divorce.																
8.	9.	10.	11.	12.	13.	14.	Unknown.	Under 1 year.	1.	2.	3.	4.	Under 5 years.	5 to 9.	10 to 14.	15 to 19.	20 to 24.	25 to 29.	30 to 34.	35 to 39.	40 to 44.	45 to 49.	50 to 54.	Unknown.
														1				1						
														1				1						
2	1			1			5	7	26	41	36	46	156	112	57	21	14	24	9	3				1
	1								1	2		1	4	4	3				1					
2				1			5	7	25	39	36	45	152	108	54	21	14	24	8	3				1
									4	4	5	5	18	27	7	2	7	1	2	1	1	1		
										1			1	1										
									4	3	5	5	17	26	7	2	7	1	2		1	1		
										1	1	3	5	6	3	2	2	1	1					
										1	1	3	5	6	3	2	2	1	1					
										1	1	1	3	2	3		3		1					
										1	1	1	3	1	3		3		1					
														1										
														1										
							1	1					1											
							1	1					1											

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